



Colour Television Service Manual

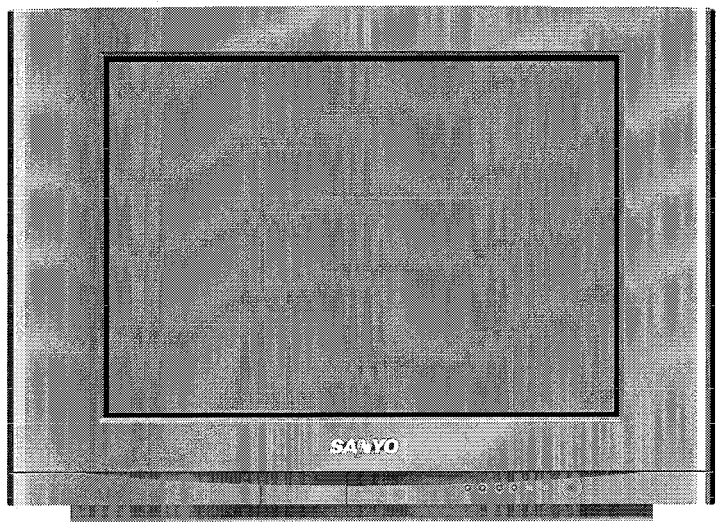
CE28CHN5F-c

Model CE28CHN5F-C

Service Ref. No. CE28CHN5F-C-00

PRODUCT CODE: 111373104

ORIGINAL VERSION: Chassis No. HB3B



Please use Schematic Diagram SKP20421 with this Service Manual.

Give complete "SERVICE REF. NO." for parts order or servicing, it is shown on the rating sheet on the cabinet back of the TV set.

Note

This TV receiver will not work properly in foreign countries where the television transmission system and power source differ from the design specifications. Refer to the specifications for the design specifications

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SAFETY PRECAUTION

- | | |
|--|--|
| <p>1: An isolation transformer should be connected in the power line between the receiver and the AC line when a service is performed on the primary of the converter transformer of the set.</p> <p>2: Comply with all caution and safety-related notes provided on the cabinet back, inside the cabinet, on the chassis or the picture tube.</p> | <p>3: When replacing a chassis in the cabinet, always be certain that all the protective devices are installed properly, such as, control knobs, adjustment covers or shields, barriers, isolation resistor-capacitor networks etc. Before returning any television to the customer, the service technician must be sure that it is completely safe to operate without danger of electrical shock.</p> |
|--|--|

X-RADIATION PRECAUTION

The primary source of X-RADIATION in the television receiver is the picture tube. The picture tube is specially constructed to limit X-RADIATION emissions. For continued X-RADIATION protection, the replacement tube must be the same type as the original including suffix letter. Excessive high voltage may produce potentially hazardous X-RADIATION. To avoid such hazards, the high voltage must be maintained within specified limit. Refer to this service manual, high voltage adjustment for specific high voltage limit. If high voltage exceeds specified limits, take necessary corrective action. Carefully follow the instructions for +B1 volt power supply adjustment, and high voltage adjustment to maintain the high voltage within the specified limits.

PRODUCT SAFETY NOTICE

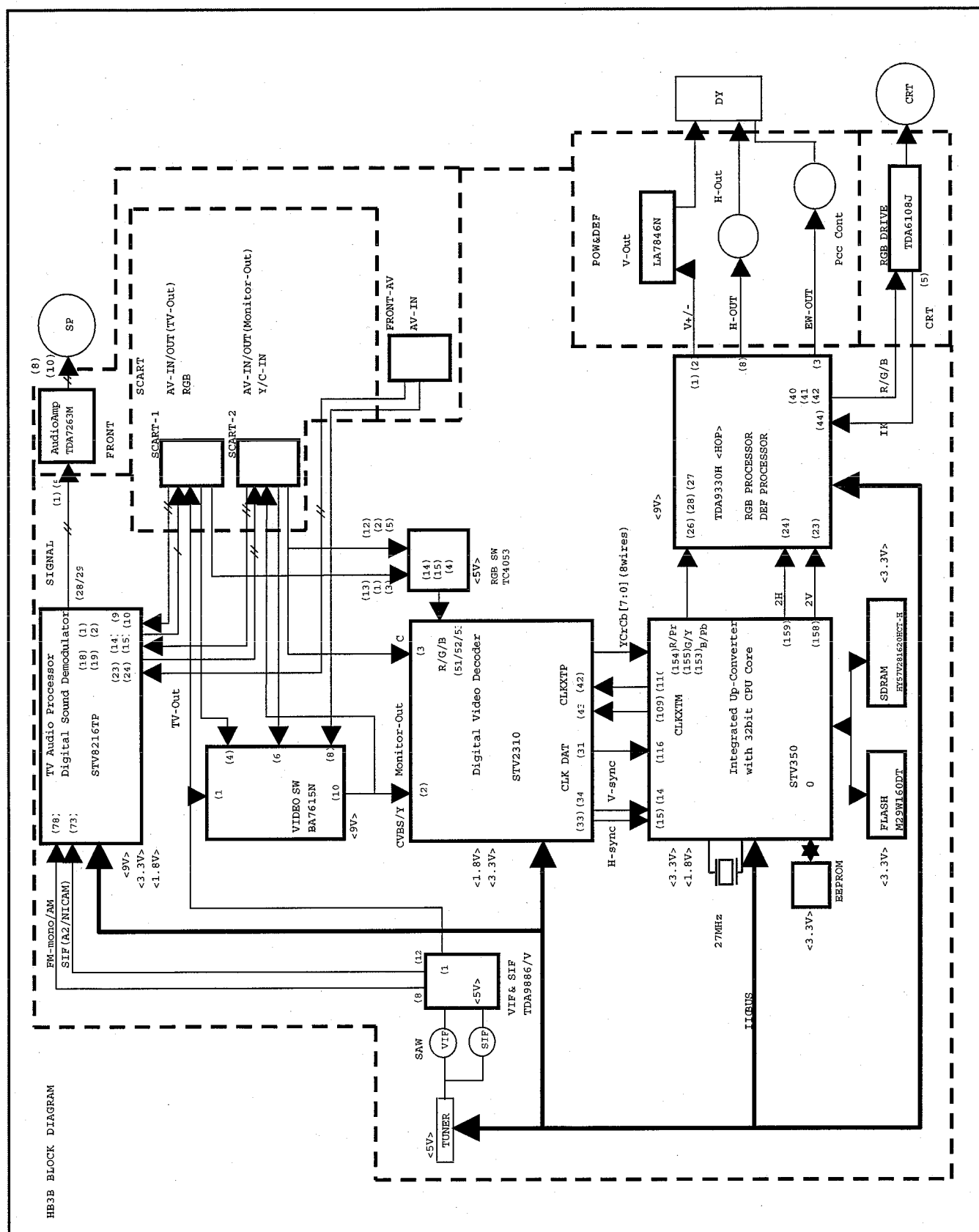
Product safety should be considered when a component replacement is made in any area of a receiver. Components indicated by mark Δ in the parts list and the schematic diagram designate components in which safety can be of special significance. It is particularly recommended that only parts designated on the parts list in this manual be used for component replacement designated by mark Δ . No deviations from resistance wattage or voltage ratings may be made for replacement items designated by mark Δ .

SPECIFICATIONS

Power source	AC 220~240V, 50Hz
Television system	System B/G, I, D/K, L/L'
Colour system	PAL/NTSC4.43 (PAL/NTSC4.43/NTSC3.58 IN AV MODE)
Receiving channel	UHF: 21~69 VHF: E2-E12, F2-F10, R1-R12. CATV: X, Y, Z, S1-S41, B-Q.
Aerial input impedance	75ohm
Rear AV terminal	
AV1:	CENELEC standard
INPUT:	Composite video, RGB and Audio L/R
OUTPUT:	TV-output with composite video and audio L/R
AV2:	CENELEC standard
INPUT:	Composite video, S-VHS and Audio L/R
OUTPUT:	Monitor output with composite video and Audio L/R
Front AV terminal	
AV3:	RCA jacks
INPUT:	Composite video and Audio L/R
Sound output(Music)	8W x 2
Dimensions (WxHxD)	736 x 597 x 494mm
Weight	32 Kg

BLOCK DIAGRAM

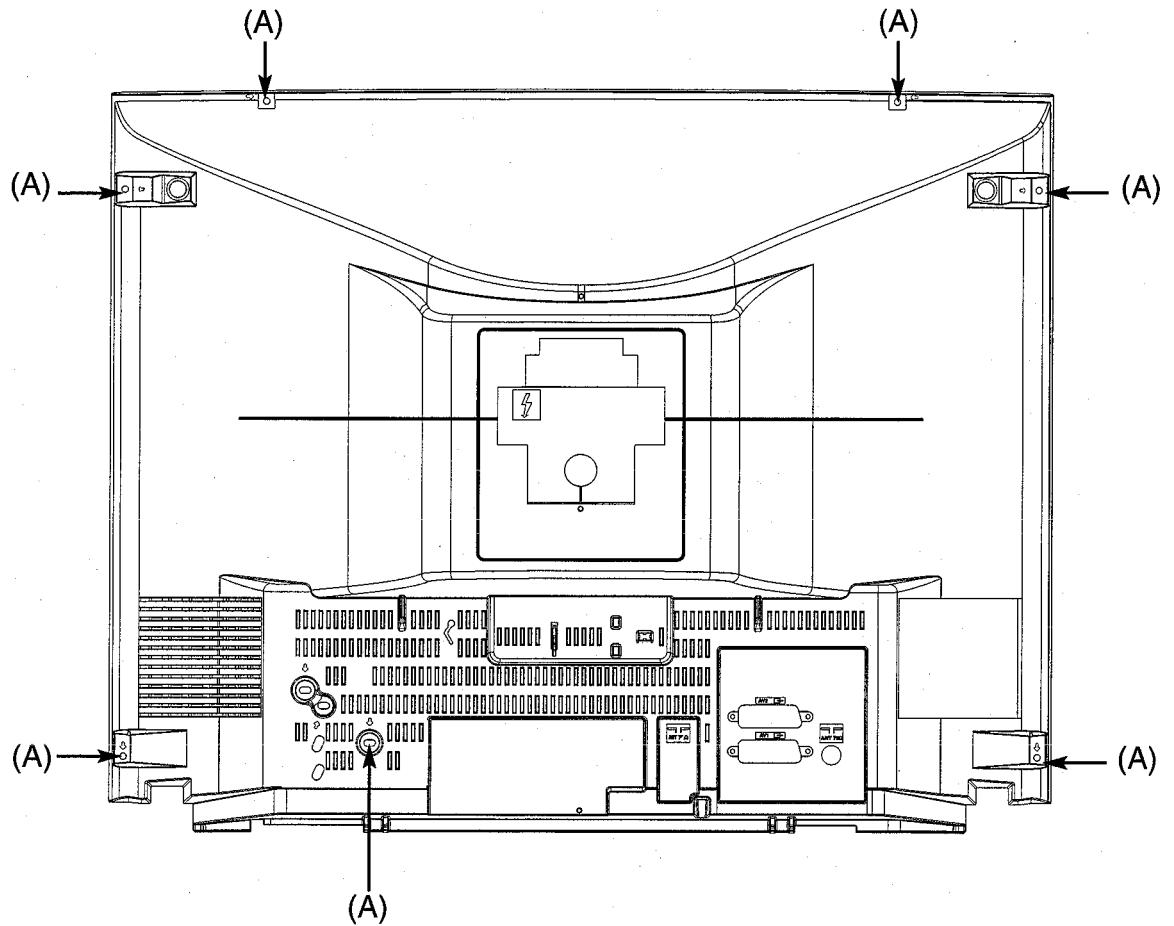
This is a diagram for all models and therefore differs slightly from the actual block diagram.



CABINET DISASSEMBLY

CABINET BACK DISASSEMBLY

1. Remove 7 screws(A) for 28"
2. Pull out the cabinet back.



OPTION SETTING

[After replacing the Memory IC (IC803)]

The memory IC, IC803, stores the option data of TV set and service adjustments data for each circuit, therefore, when the memory IC is replaced, it should be performed following setting and "SERVICE ADJUSTMENT" on next page.

To enter to the Option Mode

- + Press and hold the **F/OK** button on the remote control and **P▼** button on the front panel of the TV. The option window will appear on the screen.

ON-TIMER	ON
PLUG AND PLAY	ON
WELCOME TEXT	ON
BBE	OFF
AUTO VOLUME	OFF
HEADPHONE	OFF
CRT 16:9 MODE	ON
NOISE REDUCTION	OFF
COUNTRY	BG/DK / I / LL'

OPTION MODE FOR CE28CHN5F-C-00

To set the option mode

- + Highlight the desired option item by using the **P▲** or **P▼** button .
- + To switch the option mode, use the **Volume - (LEFT)** or **Volume + (RIGHT)** button.
- + The data which is set in the option mode is stored into the memory IC automatically.

Following table shows the available option items and default setting mode.

<u>Option Mode</u>	<u>Mode</u>	<u>Description & Note</u>
ON-TIMER	ON or OFF	On-timer available, default "ON"
PLUG AND PLAY	ON or OFF	Plug and Play mode, default "ON"
WELCOME TEXT	ON or OFF	Display message when first set up, default "ON"
BBE	ON or OFF	BBE sound mode, default "OFF"
AUTO VOLUME	OFF or ON	Default "OFF"
HEADPHONE	ON or OFF	Headphone control , default "OFF"
CRT 16:9 MODE	ON or OFF	Default "ON"
NOISE REDUCTION	ON or OFF	Default "OFF"
COUNTRY	UK, IRE BG/DK / I / LL'	TV system, default "UK"

Exit from the Service Mode

- + Press the **MENU**  button.

SERVICE ADJUSTMENTS

Note: Some items of the service adjustments for this chassis are controlled by the CPU, IC801, and the adjustments are carried out by using the RC handset.

INITIALISATION OF MEMORY IC

To initialise the memory IC (IC803), press and hold the **NORMAL** →•← button on the remote control, then press the **P▼** button on the front panel of the TV set and then turn the Mains switch Off and On. The initialisation is now completed.

When initialised the memory IC and all of the setting data (option data and service adjustment data) stored in the IC are reset to the default value. It is necessary to set the option settings and readjust the service adjustments listed on page 6 and to re-tune all the channels.

The available adjustment items are as follows;

TDA9885 : This can be adjusted for AGC.

Image : This can be adjusted for picture images/shapes.

Video : This can be adjusted for the service adjustment.

DO NOT ADJUST OTHER SETTINGS

[After replacing the Memory IC (IC803)]

The memory IC, IC803, stores the service adjustments data for each circuit, therefore, when the memory IC is replaced, it should be programmed by using "OPTION SETTING" on previous page and the following adjustments.

TO ENTER SERVICE ADJUSTMENTS

While pressing the green button on the remote control press the **P▼** on the cabinet front. The service menu appears.

Service
SW Vers 1.2.0
Video
Sound
STV2310
TDA9885
STV8206
TDA9330
Others
Image
WSS

Use the **P▼** or **P▲** to highlight the service menu you require and press the F/OK button to enter.

TO EXIT SERVICE ADJUSTMENTS

Press the Menu button to navigate backwards through the service menus until menus disappear.

IMPORTANT NOTICE

Do not attempt to adjust service adjustments not listed on the above otherwise it may cause loss of performance and product safety.

Service menu: Video

Enter the service adjustment menu as described on the previous page and select "Video" using the **P▼** or **P▲** buttons and then press the **F/OK** button to enter.

VIDEO	
G2 Alignment	Config.
White Point R	41
White Point G	32
White Point B	36
Peak White Limiter	0
Black Level offset R	8
Black Level offset G	8
Gain pre-scale RGB	0
Fast blanking delay	0
Luma/Chroma delay	0
Restore default	

Use the **P▼** or **P▲** buttons to select the option, then press the **F/OK** button on the remote control to enter.

Service menu: Sound

Enter the service adjustment menu as described on the previous page and select "Sound" using the **P▼** or **P▲** buttons and then press the **F/OK** button to enter.

Audio Menu	
● Audio Type	3
Volume	0
Balance	6
Loudness	13
Spatial effect	0

Use the **P▼** or **P▲** buttons to select the option, then press the **F/OK** button on the remote control to enter.

Service menu: TDA9885

Enter the service adjustment menu as described on the previous page and select "TDA9885" using the **P▼** or **P▲** buttons and then press the **F/OK** button to enter

TDA9885	
Write 1	70

Use the **P▼** or **P▲** buttons to select the option, then press the **F/OK** button on the remote control to enter.

Service menu: Image

Enter the service adjustment menu as described on the previous page and select "Image" using the **P▼** or **P▲** buttons and then press the **F/OK** button to enter

15	P	CNB	28
----	---	-----	----

Use the **P▼** or **P▲** buttons to select the different options.

ADJUSTMENTS

IMPORTANT NOTICE

Do not attempt to adjust the following service adjustments except when adjustments are required in servicing otherwise it may cause loss of performance and product safety.

+ B VOLTAGE ADJUSTMENT

1. Receive white raster pattern.
2. Set controls to normal.
3. Connect digital voltmeter to test point TP-B and GND.
4. Adjust voltage to $145 \pm 0.5V$ by using VR641.

AGC ADJUSTMENT

1. Select the clearest VHF station
2. Connect a digital voltmeter to test point TP-A and GND
3. Enter service menu : TDA9885
4. With the **P▼** or **P▲** buttons select "Write 1"
5. Adjust using the **◀+** or **▶-** buttons until the readout from the voltmeter is 3.2 Vdc.

GREY SCALE ADJUSTMENT

SCREEN ADJUSTMENT

1. Make sure the set is warm (20 mins)
2. Receive Black and White picture/pattern
3. Enter service menu "Video"
4. Select item "White Point R" or "White Point B"
5. Using the **◀+** or **▶-** buttons adjust to make the white, white.

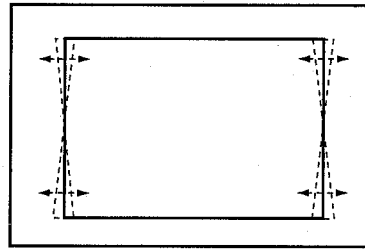
PCC ADJUSTMENT

PCC ADJUSTMENT

1. Receive cross hatch pattern and set screen mode to "FULL".
2. Enter Service menu : Image
3. Use the **P▼** or **P▲** buttons to highlight '4 P PPC', then press the **F/OK** button to enter.
4. Press the **◀+** or **▶-** buttons to make the vertical line become straight.

TRAPEZOID ADJUSTMENT

1. Receive cross hatch pattern and set screen mode to "FULL".
2. Enter service menu : Image
3. Use the **P▼** or **P▲** buttons to highlight '6 P TRP'.
4. Press the **◀+** or **▶-** buttons to adjust trapezium distortion.



CORNER ADJUSTMENT

1. Receive cross hatch pattern and set wide screen mode to "FULL".
2. Enter service menu : Image.
3. Use the **P▼** or **P▲** buttons to highlight '5 P CNT'.
4. Press the **◀+** or **▶-** buttons to adjust any top corner distortion.
5. Use the **P▼** button to highlight "15 P CNB"
6. Use the **◀+** or **▶-** buttons to adjust any bottom corner distortion.

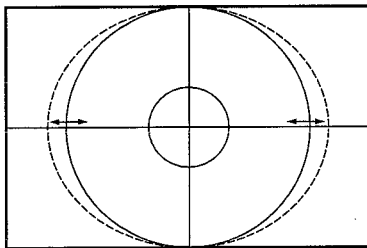
HORIZONTAL ADJUSTMENT

HORIZONTAL CENTRING ADJUSTMENT

1. Set wide screen mode to "FULL".
2. Preferably receive a circular pattern
3. Enter service menu : Image
4. Use the **P▼** or **P▲** buttons to highlight '1 P H-P'.
5. Press the **◀+** or **▶-** buttons to adjust horizontal centre.

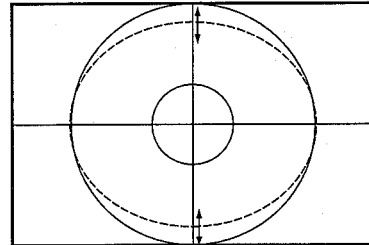
HORIZONTAL WIDTH ADJUSTMENT

1. Set wide screen mode to "FULL".
2. Preferably receive a circular pattern
3. Enter service menu : Image
4. Use the **P▼** or **P▲** buttons to highlight '3 P H-W'
5. Press the **◀+** or **▶-** buttons to adjust horizontal width.



VERTICAL HEIGHT ADJUSTMENT

1. Set wide screen mode to "FULL".
2. Preferably receive a circular pattern
3. Enter service menu : Image
4. Use the **P▼** or **P▲** buttons to highlight '9 P V-WA'
5. Press the **◀+** or **▶-** buttons to adjust the vertical centre.



HIGH-VOLTAGE CONFIRMATION

1. Set wide screen mode to "FULL".
2. Preferably receive a circular pattern
3. Set brightness and contrast to max.
4. Connect high-voltage meter to the CRT anode and GND.
5. Confirm Voltage is 29.5 ± 1.0 kV (28')

VERTICAL ADJUSTMENT

VERTICAL CENTRING ADJUSTMENT

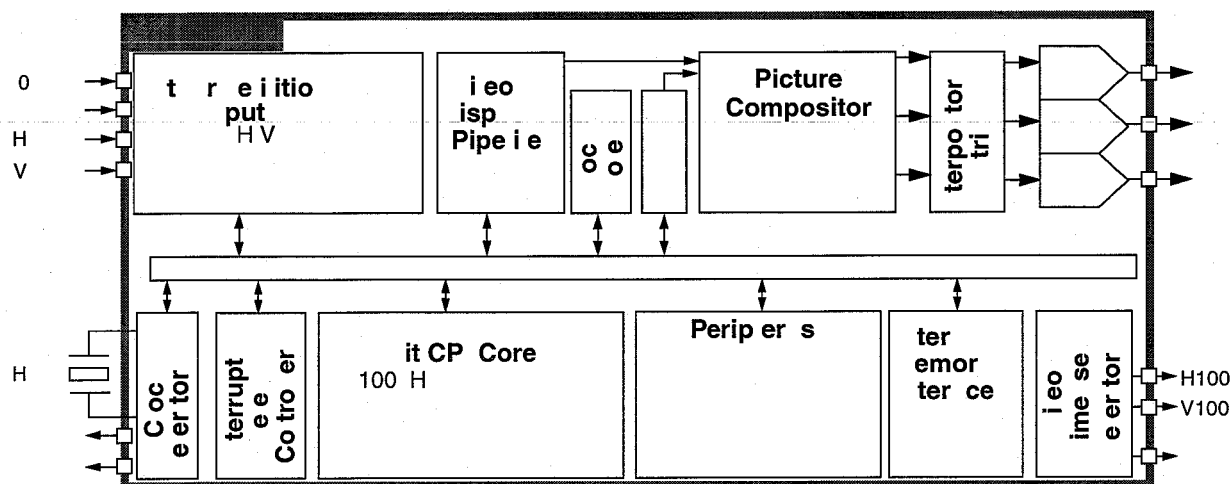
1. Set wide screen mode to "FULL".
2. Preferably receive a circular pattern
3. Enter service menu : Image
4. Use the **P▼** or **P▲** buttons to highlight '11 P V-P'
5. Press the **◀+** or **▶-** buttons to adjust the vertical centre.

IC801

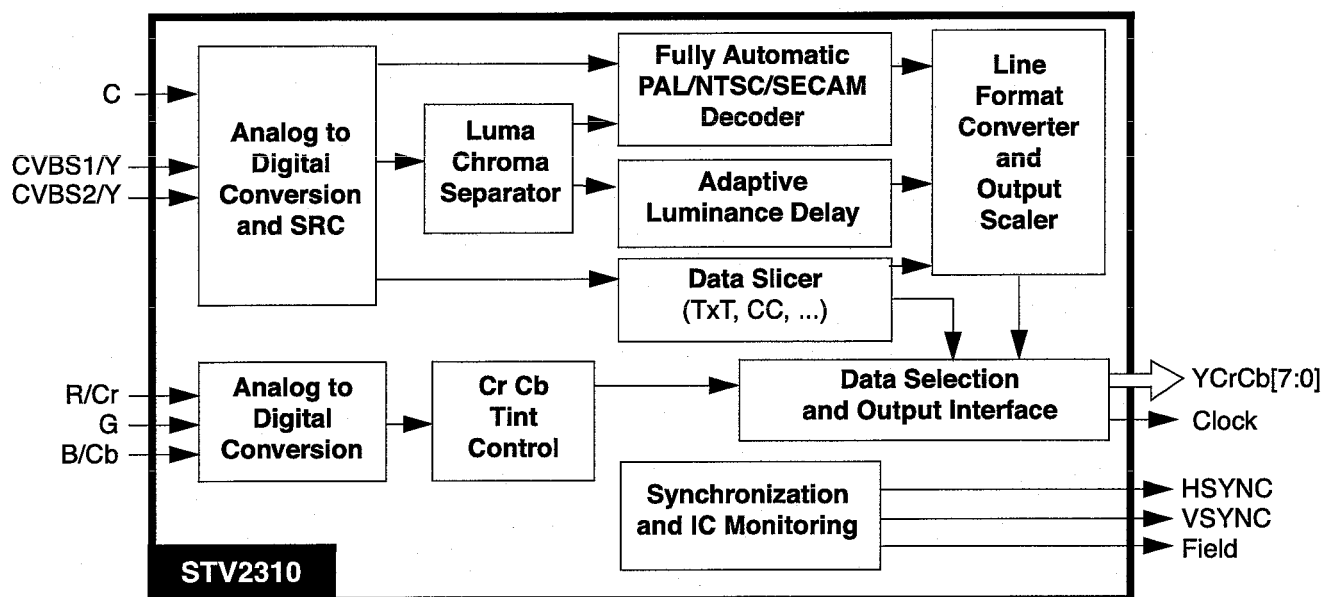


IC BLOCK DIAGRAMS

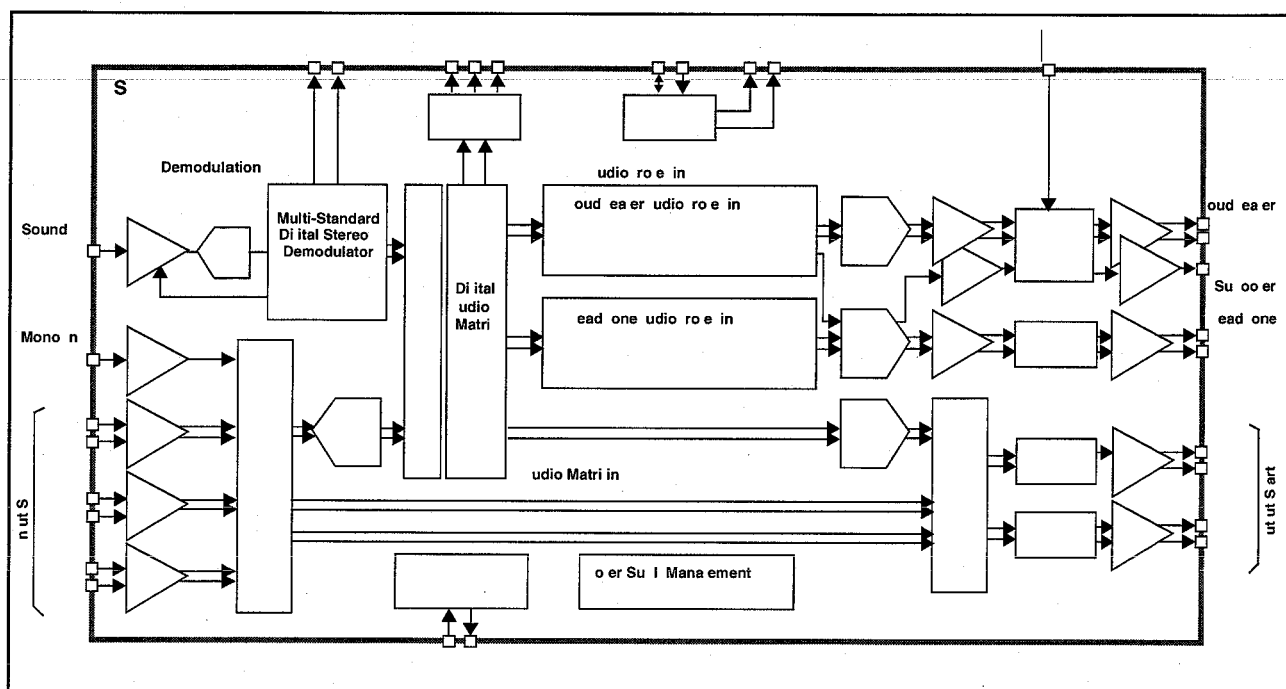
IC801



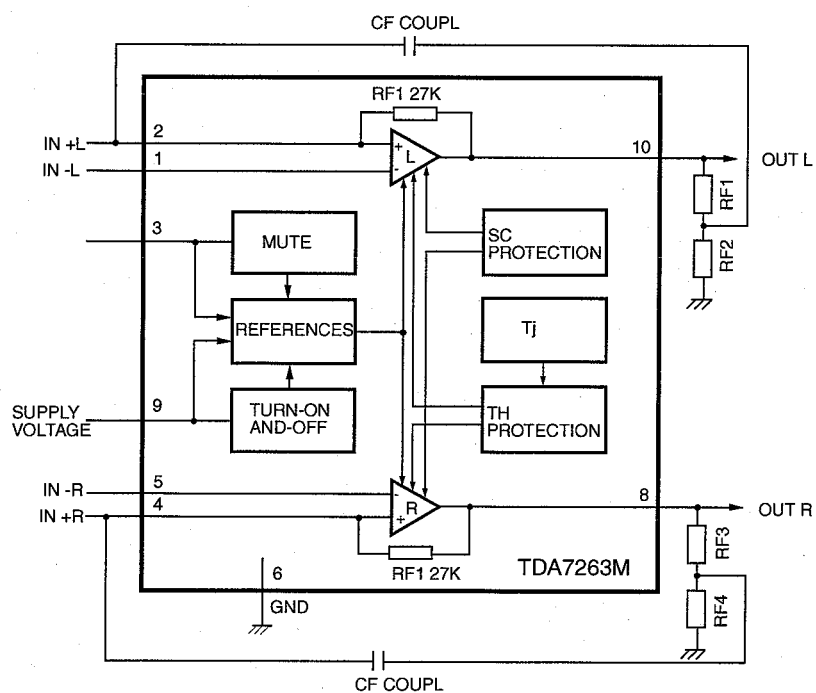
IC2001



IC BLOCK DIAGRAMS

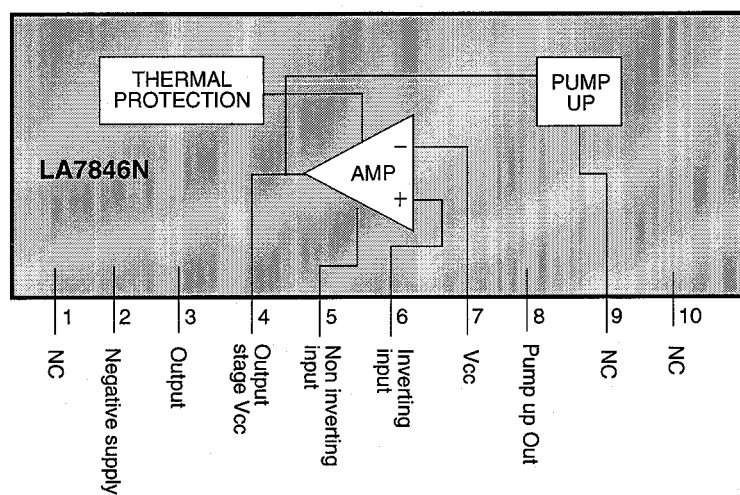
IC3451 STV8216T <NICAM & Stereo Sound Decoder>

IC001 TDA7263M <Audio Output>



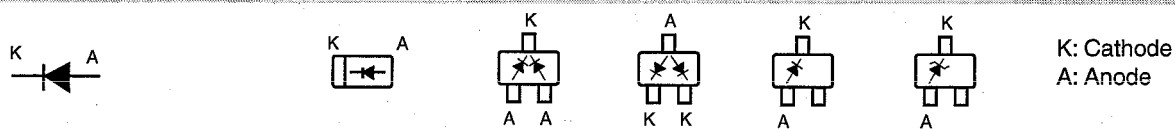
IC BLOCK DIAGRAMS

IC501 LA7846N <Vertical Output>

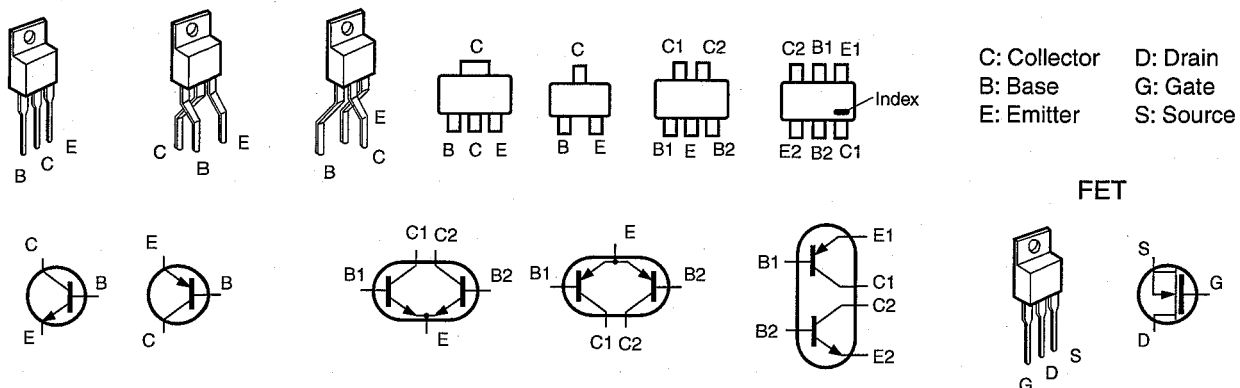


PIN DESCRIPTION OF SEMICONDUCTORS

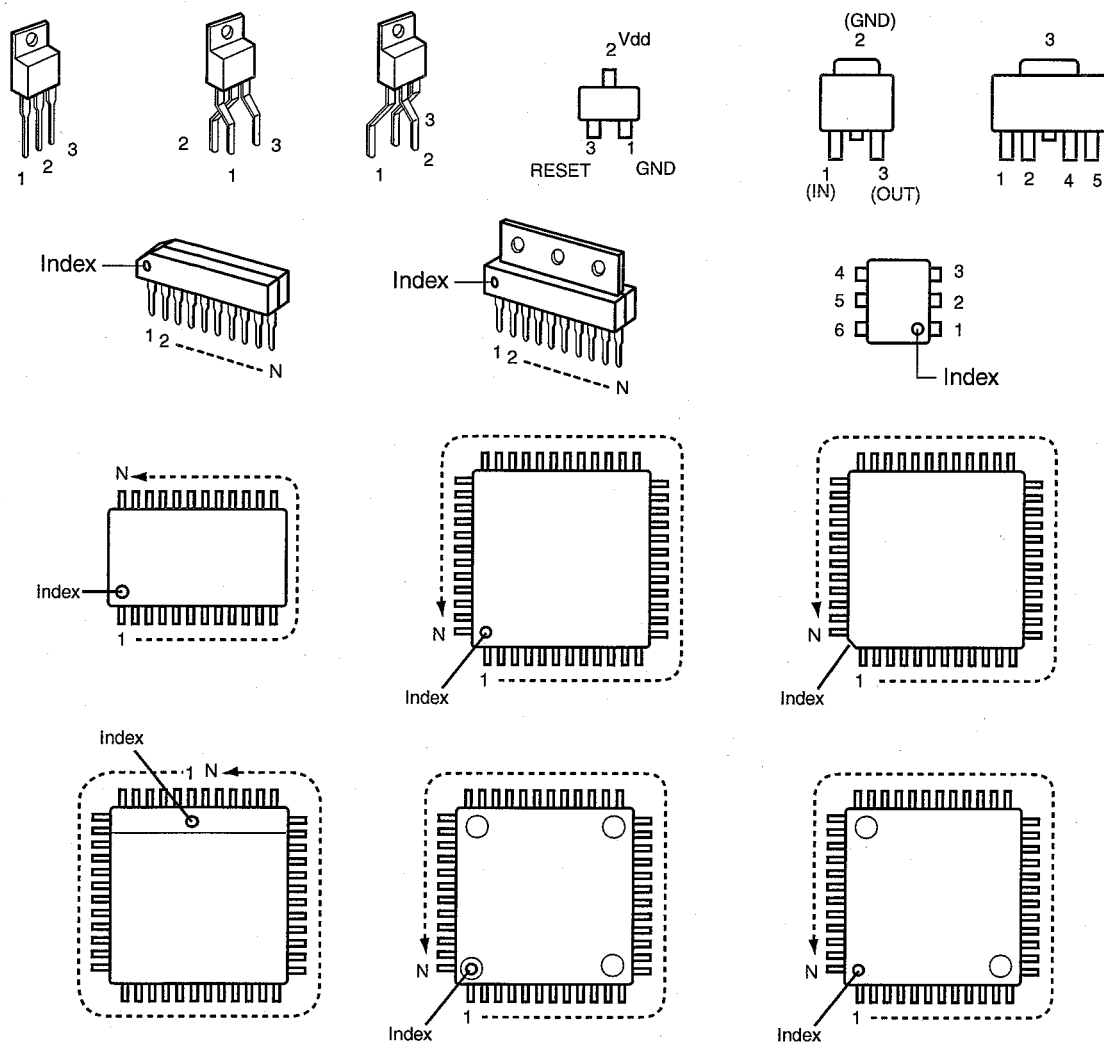
● Diode



● Transistor/FET



● IC



PARTS DESCRIPTION AND READING IN SCHEMATIC DIAGRAM

1. The parts specification of resistors, capacitors and coils are expressed in designated code. Please check the parts description by the following code table.
2. Some of transistors and diodes are indicated in mark for the substitution of parts name. Please check the parts name by the following code table.
3. Voltages and waveforms were taken with a video colour bar signal(1Vp-p at 75 ohms terminated) and controls to normal.
4. Voltages were taken with a high-impedance digital voltmeter.

Capacitor Reading

Example 2000 K K 1000 BG

Example 160 E M 10

Characteristic

Capacitance value
Excepting electric capacitors, all capacitance values of less than 1 are expressed in μF and more than 1 are in pF.

Tolerance

Type

Rated voltage

Material table

Mark	Material
E	Electrolytic
P	Electrolytic (non-Polarised)
C	Ceramic (temperature compensation)
K	Ceramic
F	Polyester
N	Polypropylene
M	Metalised polypropylene
H	Metalised polypropylar
B	Ceramic (semiconductor)
G	Metalised polyester
Y	Composite film
S	Styrol
T	Tantalum oxide solid electrolytic
U	Organic semiconductive electrolyte
D	Electric double layer electrolytic

Tolerance table

Mark	Tolerance
A	not specified
B	± 0.1
C	± 0.25
D	± 0.5
F	± 1
G	± 2
E	± 2.5
H	± 3
J	± 5
K	± 10
M	± 20
N	± 30
P	+100 -0
Q	+30 -10
T	+50 -10
U	+75 -10
V	+20 -10
W	+100 -10
X	+40 -20
Y	+150 -10
Z	+80 -20

Coil Reading

Example L2 C1 4R7 K N

Tolerance

Inductance value

Manufacture code

Unique code

Mark	Tolerance (nH)	Mark	Tolerance (%)
C	± 0.25	G	± 2
D	± 0.5	J	± 5
S	± 0.3	K	± 10
A	± 0.2	L	± 15
		M	± 20

Resistor Reading

Example 1/2 D J 10K B

Example 6 W K 8.2

Example 1/2 C K 1M

Characteristic

Z (Carbon fuse)

B (Non-burnable)

K indicates in K

M indicate in M

Resistance value

Tolerance (see below table)

Material (see below table)

Rated wattage (W)

Note: Resistor which is indicated with resistance value only are 1/6W carbon resistor. Resistor which is indicated with material, tolerance and value are 1/4W rated wattage.

Material table

Mark	Material
D	Carbon
N	Metal film
S	Oxide metal film
C	Solid
G	Metal glaze
W	Wire winding or cement
H	Ceramic
F	Fusible

Tolerance table

Mark	Tolerance
A	± 0.05
B	± 0.1
C	± 0.25
D	± 0.5
F	± 1
G	± 2
J	± 5
K	± 10
M	± 20
P	+5 -15
Z	used in 0 ohm

Diode/Transistor Type Reading

Diode

Mark	Type number
--	1S1555,1S2473,1S2076,1SS133,DS442,1SS176
K	1S1555,1S2473,1S2076,DS442
L	1S1555,1S2076A,1S2471
M	1SS133,1SS176,GMA01
N	1S1555,1S2473,1S2076,1SS133,DS442,1SS176,1N4148
P	1S1555,1S2076A,1S2471,1N4148
R	1S1555,1S2076,1S2473,DS442,1N4148
AA	1S1555,1S2076,1S2473,1SS133,DS442,1SS176,1N4148,GMA01

Transistor (NPN type)

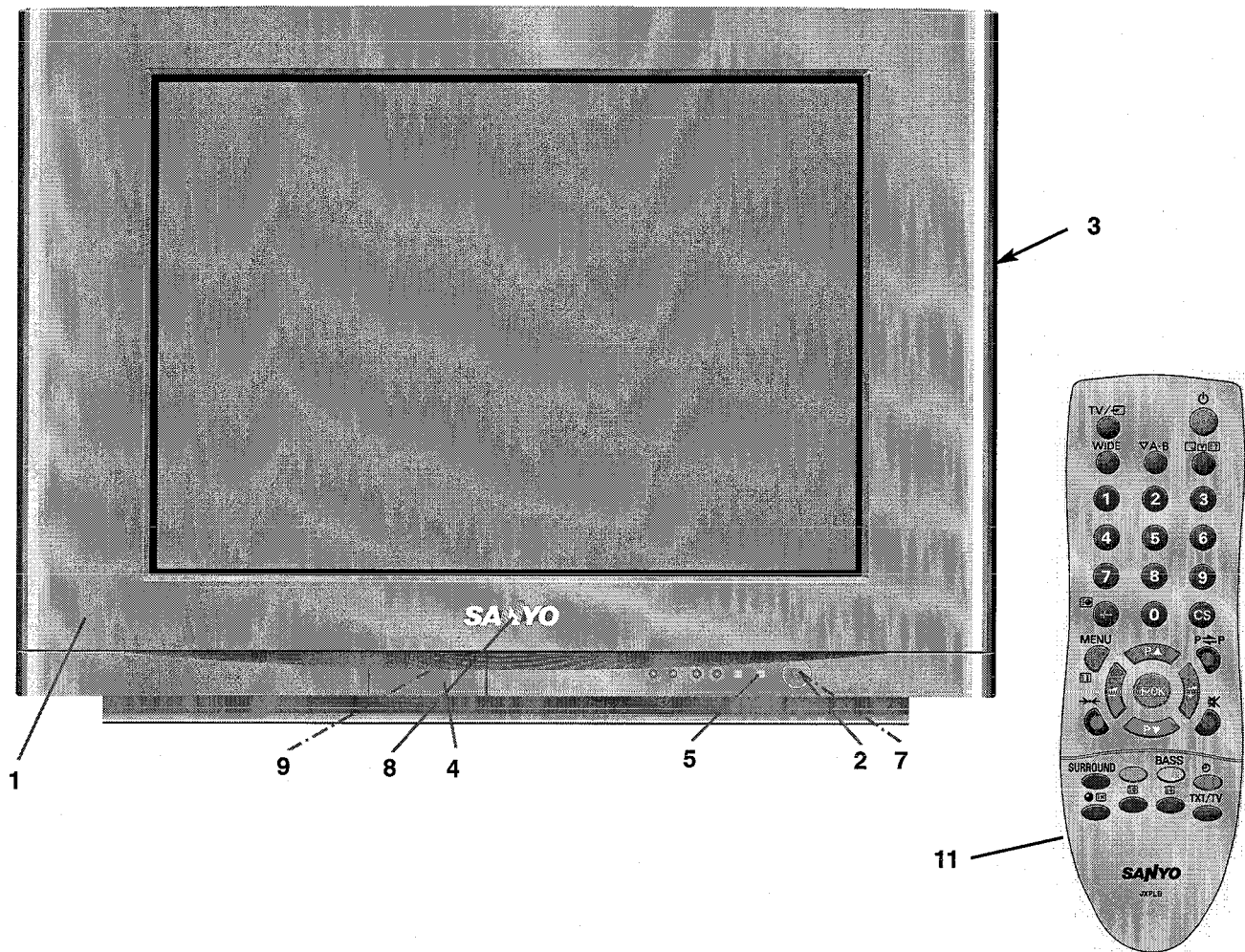
Mark	Type number
--	2SC536 2SC945A 2SC1815 2SC1740 2SC1740S KSC945C
A	E, F, G P, Q, R O, Y, G Q, R, S Q, R, S
B	E, F, G P, Q, R O, Y, G Q, R, S
D	F, G P, Q Y, G Q, R, S
F	F, G P G R, S
H	F, G P, Q Y, G Q, R, S
I	E, F, G P, Q, R O, Y, G Q, R, S
G	F, G P G R, S
AD	F, G Q, R Y, GR Q, R, S
AE	E, F, G Q, R O, Y, GR Q, R, S

Transistor (PNP type)

Mark	Type number
--	2SA608 2SA564A 2SA1015 2SA933 2SA933S KSA733C
Y	E, F Q, R O, Y, G Q, R
W	F R Y, G R
V	E, F Q, R O, Y, G Q, R
U	F R Y, G R
Z	E, F Q, R O, Y, G Q, R
AB	F R Y Q, R
AE	E, F Q, R O, Y R

CABINET PARTS LIST FOR MODEL CE28CHN5F-C-00

Note: Parts order must contain Service Ref. No., Part No., and descriptions.



Item	Part No.	Description
CABINET PARTS		
1	610 310 7387	CABINET FRONT-C7WA
2	610 301 6665	BUTTON POWER-C6AA
3	665 000 3385	CABINET BACK C7WE - 100HZ
4	610 301 6689	DOOR-C6AA
5	665 000 2654	DEC IND-C7WA
6	610 253 2449	AC CORD HOLDER-U-D4VA
7	610 261 3032	COIL SPRING-E7GCS
8	645 043 5058	BADGE,SANYO*53.5X12L53.3
9	610 104 2505	LATCH PUSH,7.9X6.9BK
10	610 265 4202	HOLDER DC GBR-F3SC
ACCESSORIES		
11	JXPLA	RC TRANSMITTER
	645 054 9533	BATTERY ENERGIZER R6SH2VP
	665 000 1800	INST MANUAL-C7WE (1)
	665 000 1817	INST MANUAL-C7WE (2)

CHASSIS ELECTRICAL PARTS LIST

Product safety should be considered when a component replacement is made in any area of a receiver. Components indicated by a Δ mark in this parts list and the circuit diagram show components whose value have special significance to product safety. It is particularly recommended that only parts specified on the following parts list be used for components replacement pointed out by the mark Δ .

Note: Parts order must contain Service Ref. No., Part No., and descriptions.

	Ref. No.	Part No.	Description
Read description in the Capacitor and Resistor as follows: CAPACITOR CERAMIC 100P K 50V Rated Voltage Tolerance Symbols: Less than 10PF A: Not specified B: ± 0.1PF C: ± 0.25PF D: ± 0.5PF F: ± 1PF G: ± 2PF R: ± 0.25-0PF S: ± 0.25PF E: ± 0.1PF More than 10PF A: Not specified B: $\pm 0.1\%$ C: $\pm 0.25\%$ D: $\pm 0.5\%$ F: $\pm 1\%$ G: $\pm 2\%$ H: $\pm 3\%$ J: $\pm 5\%$ K: $\pm 10\%$ L: $\pm 15\%$ M: $\pm 20\%$ N: $\pm 30\%$ P: ± 100-0% Q: ± 30-10% T: ± 50-10% U: ± 75-10% V: ± 20-10% W: ± 100-10% X: ± 40-20% Y: ± 150-10% Z: ± 80-20% Rated value: P=pico farad, U=Micro farad Material: CERAMIC.....Ceramic MT-PAPER.....Metallized Paper POLYESTER.....Polyester MT-POLYEST.....Metallized Polyester POLYPRO.....Polypropylene MT-POLYPRO.....Metallized Polypropylene COMPO FILM.....Composite film MT-COMPO.....Metallized Composite STYRENE.....Styrene TA-SOLID.....Tantalum Solid AL-SOLID.....Aluminium Solid ELECT.....Electrolytic NP-ELECT.....Non-polarised Electrolytic OS-SOLID.....Aluminium Solid with Organic Semiconductive Electrolytic DL-ELECT.....Double Layered Electrolytic RESISTOR CARBON 4.7K J A 1/4W Rated Wattage Performance Symbols: A: General B: Non flammable Z: Low noise Other: Temperature coefficient Tolerance Symbols: A: $\pm 0.05\%$ B: $\pm 0.1\%$ C: $\pm 0.25\%$ D: $\pm 0.5\%$ F: $\pm 1\%$ G: $\pm 2\%$ J: $\pm 5\%$ K: $\pm 10\%$ M: $\pm 20\%$ P: ± 5-15% Rated value, ohms: K: 1,000, M: 1,000,000 Material: CARBON.....Carbon MT-FILM.....Metal Film OXIDE-MT.....Oxide Metal Film SOLID.....Composition MT-GLAZE.....Metal Glaze WIRE WOUND.....Wire Wound CERAMIC RES.....Ceramic FUSIBLE RES.....Fusible	Chassis construction CE28CHN5F-C-00 013C5WEL ELECTRICAL PARTS (PAGE 17) 1AA0B10H066B0 ASSY,PWB,SIGNAL C5WEL (PAGE 17-22) 1AA0B10H6760A ASSY,PWB,SCART C7WEL (PAGE 22-23) 1AA0B10H6760B ASSY,PWB,CRT C7WEL (PAGE 23) 1AA0B10H067B0 ASSY,PWB,POWER/DEF C7WEL (PAGE 23-26)		
	013C5WEL ELECTRICAL PARTS COIL Δ L901 645 060 9855 PRE-FORM,D-COIL,28-TOTOKU PICTURE TUBE Δ Q901 414 012 2202 PHILIPS A66EAK075X44 MISCELLANEOUS Δ SP901 645 052 7425 L/SP FB-095C-A1222 Δ SP902 645 052 7425 L/SP FB-095C-A1222 Δ W901 645 012 7632 EURO PLUG +2P HOUSE @ 2.1 Δ W902 1KA4W30B00900 GND CONNECTOR HB3B 28"		
	1AA0B10H066B0 ASSY,PWB,SIGNAL C5WEL CAPACITOR C101 403 051 0607 ELECT 4.7U M 50V C102 403 039 9004 ELECT 1000U M 10V C1020 401 105 7919 MT-GLAZE 0.000 ZA 1/16W C104 403 049 4204 ELECT 10U M 50V C105 403 195 8804 ELECT 100U M 16V C106 401 105 7919 MT-GLAZE 0.000 ZA 1/16W C109 403 215 2211 GRM188R71H103KA01D PT115 C120 403 215 2211 GRM188R71H103KA01D PT115 C1200 403 164 0214 GRM188F51E104ZA01D PT115 C1202 403 248 1618 ELECT 47U M 16V C1203 403 215 2211 GRM188R71H103KA01D PT115 C1205 403 164 0214 GRM188F51E104ZA01D PT115 C1206 403 145 9915 GRM1885C1H220JZ01D PT115 C1207 403 149 9218 GRM188F51H103ZA01D PT115 C121 403 157 6513 CERAMIC 390P K 50V C1211 403 153 9310 GRM1885C1H820JZ01D PT115 C1212 403 153 9310 GRM1885C1H820JZ01D PT115 C1213 403 164 0214 GRM188F51E104ZA01D PT115 C1218 403 153 9310 GRM1885C1H820JZ01D PT115 C122 403 215 2211 GRM188R71H103KA01D PT115 C1225 403 085 7900 NP-ELECT 100U M 25V C123 403 314 5915 GRM21BR71C474KA01L PT297 C126 403 139 7118 GRM1885C1H120JZ01 C1261 403 164 0214 GRM188F51E104ZA01D PT115 C1262 403 049 4204 ELECT 10U M 50V C1269 403 153 9310 GRM1885C1H820JZ01D PT115 C1270 403 164 0214 GRM188F51E104ZA01D PT115 C128 403 314 5915 GRM21BR71C474KA01L PT297 C129 403 269 5916 GRM219R71C224KC01D PT115 C130 403 155 2111 GRM188R71H152KD01D PT115 C131 403 215 2211 GRM188R71H103KA01D PT115 C132 403 215 2211 GRM188R71H103KA01D PT115 C133 403 049 4204 ELECT 10U M 50V C134 403 149 9218 GRM188F51H103ZA01D PT115 C137 403 256 5011 CERAMIC 560P J 50V C138 403 256 5011 CERAMIC 560P J 50V		

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
C141	403 215 2211	GRM188R71H103KA01D PT115	C2051	403 155 1510	GRM1885C1H181JZ01D PT115
C142	403 153 9112	GRM1885C1H5ROCD01D PT115	C2052	403 172 6116	GRM1885C1H271JD01D PT115
C143	403 157 3314	GRM1885C1H680JZ01	C2053	403 233 3818	GRM1885C1H100JD01D PT115
C144	403 153 9112	GRM1885C1H5ROCD01D PT115	C2067	403 157 3314	GRM1885C1H680JZ01
C145	403 215 2211	GRM188R71H103KA01D PT115	C208	403 164 0214	GRM188F51E104ZA01D PT115
C146	401 105 7919	MT-GLAZE 0.000 ZA 1/16W	C211	403 164 0214	GRM188F51E104ZA01D PT115
C148	403 215 2211	GRM188R71H103KA01D PT115	C214	403 164 0214	GRM188F51E104ZA01D PT115
C149	403 215 2211	GRM188R71H103KA01D PT115	C222	403 039 9004	ELECT 1000U M 10V
C1670	403 215 2211	GRM188R71H103KA01D PT115	C223	403 164 0214	GRM188F51E104ZA01D PT115
C1671	403 049 4204	ELECT 10U M 50V	C224	403 164 0214	GRM188F51E104ZA01D PT115
C1672	403 149 9218	GRM188F51H103ZA01D PT115	C225	403 164 0214	GRM188F51E104ZA01D PT115
C1673	403 049 4204	ELECT 10U M 50V	C231	403 237 8057	MT-COMPO 0.1U J 50V
C1674	403 298 9619	GRM188R71C104KA01D PT115	C232	403 224 1301	ELECT 47U U 16V
C1675	403 041 0709	ELECT 3300U M 10V	C233	403 149 9218	GRM188F51H103ZA01D PT115
C1676	403 149 9218	GRM188F51H103ZA01D PT115	C234	403 237 8057	MT-COMPO 0.1U J 50V
C1677	403 195 8804	ELECT 100U M 16V	C236	403 237 8057	MT-COMPO 0.1U J 50V
C1678	403 149 9218	GRM188F51H103ZA01D PT115	C237	403 157 2515	GRM1885C1H270JZ01D PT115
C1679	403 049 4204	ELECT 10U M 50V	C238	403 233 3818	GRM1885C1H100JD01D PT115
C1681	403 049 4204	ELECT 10U M 50V	C241	403 164 0214	GRM188F51E104ZA01D PT115
C1682	403 164 0214	GRM188F51E104ZA01D PT115	C242	403 164 0214	GRM188F51E104ZA01D PT115
C1683	403 149 9218	GRM188F51H103ZA01D PT115	C243	403 164 0214	GRM188F51E104ZA01D PT115
C2000	403 164 0214	GRM188F51E104ZA01D PT115	C244	403 275 3012	CERAMIC 0.047U K 16V
C2001	403 164 0214	GRM188F51E104ZA01D PT115	C247	403 164 0214	GRM188F51E104ZA01D PT115
C2002	403 298 9619	GRM188R71C104KA01D PT115	C248	403 164 0214	GRM188F51E104ZA01D PT115
C2003	403 113 3815	GRM188R71H102KA01D PT115	C249	403 164 0214	GRM188F51E104ZA01D PT115
C2004	403 164 0214	GRM188F51E104ZA01D PT115	C252	403 149 9218	GRM188F51H103ZA01D PT115
C2005	403 215 0910	CERAMIC 390P J 50V	C253	403 149 9218	GRM188F51H103ZA01D PT115
C2006	403 215 0910	CERAMIC 390P J 50V	C256	403 149 9218	GRM188F51H103ZA01D PT115
C2007	403 164 0214	GRM188F51E104ZA01D PT115	C257	403 224 1301	ELECT 47U U 16V
C2008	403 040 1727	ELECT 22U M 10V	C259	403 155 1510	GRM1885C1H181JZ01D PT115
C2009	403 215 0910	CERAMIC 390P J 50V	C261	403 157 2911	GRM1885C1H470JZ01D PT115
C201	403 195 8804	ELECT 100U M 16V	C263	403 298 9619	GRM188R71C104KA01D PT115
C2010	403 215 0910	CERAMIC 390P J 50V	C266	403 041 4529	ELECT 470U M 10V
C2011	403 164 0214	GRM188F51E104ZA01D PT115	C267	403 149 9218	GRM188F51H103ZA01D PT115
C2012	403 040 1727	ELECT 22U M 10V	C270	403 113 3815	GRM188R71H102KA01D PT115
C2013	403 040 1727	ELECT 22U M 10V	C271	403 042 0817	ELECT 16MS7 10M TZ 0407
C2014	403 215 0910	CERAMIC 390P J 50V	C272	403 075 6916	CERAMIC 100P K 500V
C2015	403 040 1727	ELECT 22U M 10V	C273	403 157 6315	CERAMIC 270P K 50V
C2016	403 164 0214	GRM188F51E104ZA01D PT115	C274	403 149 9218	GRM188F51H103ZA01D PT115
C2017	403 164 0214	GRM188F51E104ZA01D PT115	C3400	403 149 9218	GRM188F51H103ZA01D PT115
C2018	403 164 0214	GRM188F51E104ZA01D PT115	C3405	403 042 0817	ELECT 16MS7 10M TZ 0407
C2019	403 164 0214	GRM188F51E104ZA01D PT115	C3408	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
C202	403 164 0214	GRM188F51E104ZA01D PT115	C3421	403 195 8824	ELECT 100U M 16V
C2021	403 164 0214	GRM188F51E104ZA01D PT115	C3431	403 157 3611	GRM1885C1H101JZ01D PT115
C2022	403 040 1727	ELECT 22U M 10V	C3433	403 157 3611	GRM1885C1H101JZ01D PT115
C2023	403 215 0910	CERAMIC 390P J 50V	C3435	403 051 0627	ELECT 4.7U M 50V
C2024	403 164 0214	GRM188F51E104ZA01D PT115	C3436	403 051 0627	ELECT 4.7U M 50V
C2025	403 040 1727	ELECT 22U M 10V	C3442	403 279 4312	GRM21BR71C334KA01L PT297
C2026	403 215 0910	CERAMIC 390P J 50V	C3444	403 279 4312	GRM21BR71C334KA01L PT297
C2027	403 215 0910	CERAMIC 390P J 50V	C3446	403 279 4312	GRM21BR71C334KA01L PT297
C2028	403 164 0214	GRM188F51E104ZA01D PT115	C3448	403 279 4312	GRM21BR71C334KA01L PT297
C2029	403 049 4204	ELECT 10U M 50V	C3449	403 164 0214	GRM188F51E104ZA01D PT115
C2030	403 164 0214	GRM188F51E104ZA01D PT115	C3450	403 038 3409	ELECT 1000U M 6.3V
C2031	403 157 4212	GRM1885C1H221JZ01D PT115	C3451	403 269 5916	GRM219R71C224KC01D PT115
C2032	403 157 2515	GRM1885C1H270JZ01D PT115	C3452	403 164 0214	GRM188F51E104ZA01D PT115
C2034	403 157 3819	GRM1885C1H121JZ01D PT115	C3453	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
C2036	403 164 0214	GRM188F51E104ZA01D PT115	C3454	403 157 3611	GRM1885C1H101JZ01D PT115
C2037	403 166 9512	GRM188R71C223KA01	C3455	403 164 0214	GRM188F51E104ZA01D PT115
C2038	403 166 9512	GRM188R71C223KA01	C3456	403 207 0317	GRM21BF51C105ZA01L PT297
C2039	403 166 9512	GRM188R71C223KA01	C3457	403 051 0627	ELECT 4.7U M 50V
C2040	403 155 1510	GRM1885C1H181JZ01D PT115	C3458	403 051 0627	ELECT 4.7U M 50V
C2041	403 233 3818	GRM1885C1H100JD01D PT115	C3459	403 038 3409	ELECT 1000U M 6.3V
C2042	403 155 1510	GRM1885C1H181JZ01D PT115	C3461	403 049 4224	ELECT 10U M 50V
C2043	403 155 1510	GRM1885C1H181JZ01D PT115	C3462	403 164 0214	GRM188F51E104ZA01D PT115
C2044	403 233 3818	GRM1885C1H100JD01D PT115	C3463	403 049 4224	ELECT 10U M 50V
C2045	403 155 1510	GRM1885C1H181JZ01D PT115	C3464	403 164 0214	GRM188F51E104ZA01D PT115
C2046	403 155 1510	GRM1885C1H181JZ01D PT115	C3465	403 164 0214	GRM188F51E104ZA01D PT115
C2047	403 233 3818	GRM1885C1H100JD01D PT115	C3466	403 038 3409	ELECT 1000U M 6.3V
C2048	403 155 1510	GRM1885C1H181JZ01D PT115	C3467	403 164 0214	GRM188F51E104ZA01D PT115
C205	403 157 2911	GRM1885C1H470JZ01D PT115	C3468	403 049 4224	ELECT 10U M 50V

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
C3469	403 164 0214	GRM188F51E104ZA01D PT115	D121	407 166 1118	DIODE 1SS356-TW11
C3470	403 049 4224	ELECT 10U M 50V	D1259	407 206 5618	ZENER D. UDZS-TE-1710B
C3473	403 207 0317	GRM21BF51C105ZA01L PT297	D1267	407 206 5618	ZENER D. UDZS-TE-1710B
C3474	403 207 0317	GRM21BF51C105ZA01L PT297	D131	407 166 1118	DIODE 1SS356-TW11
C3475	403 215 2211	GRM188R71H103KA01D PT115	D132	407 166 1118	DIODE 1SS356-TW11
C3476	403 215 2211	GRM188R71H103KA01D PT115	D1673	407 004 1020	DIODE DCC010-TA
C3477	403 049 4224	ELECT 10U M 50V	D1674	407 004 1020	DIODE DCC010-TA
C3478	403 164 0214	GRM188F51E104ZA01D PT115	D1675	407 149 0817	DIODE 1SS355-TE-17
C3479	403 164 0214	GRM188F51E104ZA01D PT115	D237	407 149 0817	DIODE 1SS355-TE-17
C3481	403 139 7118	GRM1885C1H120JZ01	D238	407 149 0817	DIODE 1SS355-TE-17
C3482	403 139 7118	GRM1885C1H120JZ01	D239	407 149 0817	DIODE 1SS355-TE-17
C3483	403 164 0214	GRM188F51E104ZA01D PT115	D241	407 149 0817	DIODE 1SS355-TE-17
C3484	403 164 0214	GRM188F51E104ZA01D PT115	D251	407 149 0817	DIODE 1SS355-TE-17
C3485	403 164 0214	GRM188F51E104ZA01D PT115	D253	407 221 7116	ZENER D. UDZS-TE-1712B
C3486	403 164 0214	GRM188F51E104ZA01D PT115	D254	407 221 7116	ZENER D. UDZS-TE-1712B
C370	403 149 9218	GRM188F51H103ZA01D PT115	D255	407 221 7116	ZENER D. UDZS-TE-1712B
C801	403 164 0214	GRM188F51E104ZA01D PT115	D256	407 221 7116	ZENER D. UDZS-TE-1712B
C802	403 164 0214	GRM188F51E104ZA01D PT115	D262	407 149 0817	DIODE 1SS355-TE-17
C805	403 164 0214	GRM188F51E104ZA01D PT115	D264	407 209 4519	ZENER D. UDZS-TE-176.8B
C806	403 164 0214	GRM188F51E104ZA01D PT115	D3421	407 149 0817	DIODE 1SS355-TE-17
C807	403 040 1727	ELECT 22U M 10V	D3441	407 206 5618	ZENER D. UDZS-TE-1710B
C808	403 040 1727	ELECT 22U M 10V	D3442	407 206 5618	ZENER D. UDZS-TE-1710B
C809	403 164 0214	GRM188F51E104ZA01D PT115	D3443	407 206 5618	ZENER D. UDZS-TE-1710B
C810	403 164 0214	GRM188F51E104ZA01D PT115	D3444	407 206 5618	ZENER D. UDZS-TE-1710B
C811	403 164 0214	GRM188F51E104ZA01D PT115	D3445	407 149 0817	DIODE 1SS355-TE-17
C812	403 164 0214	GRM188F51E104ZA01D PT115	D803	407 149 0817	DIODE 1SS355-TE-17
C813	403 164 0214	GRM188F51E104ZA01D PT115	D851	407 149 0817	DIODE 1SS355-TE-17
C814	403 164 0214	GRM188F51E104ZA01D PT115	D852	407 149 0817	DIODE 1SS355-TE-17
C815	403 164 0214	GRM188F51E104ZA01D PT115			
C816	403 164 0214	GRM188F51E104ZA01D PT115			
C818	403 040 1727	ELECT 22U M 10V			
C819	403 164 0214	GRM188F51E104ZA01D PT115			
C820	403 155 4610	CERAMIC MURATA 4P C 50V			
C821	403 155 4610	CERAMIC MURATA 4P C 50V			
C822	403 215 0910	CERAMIC 390P J 50V			
C823	403 164 0214	GRM188F51E104ZA01D PT115			
C824	403 164 0214	GRM188F51E104ZA01D PT115			
C825	403 215 0910	CERAMIC 390P J 50V			
C826	403 164 0214	GRM188F51E104ZA01D PT115			
C827	403 145 9915	GRM1885C1H220JZ01D PT115			
C828	403 145 9915	GRM1885C1H220JZ01D PT115			
C829	403 043 9136	ELECT 47U M 16V			
C830	403 049 4224	ELECT 10U M 50V			
C831	403 215 0910	CERAMIC 390P J 50V			
C832	403 164 0214	GRM188F51E104ZA01D PT115			
C833	403 164 0214	GRM188F51E104ZA01D PT115			
C834	403 215 0910	CERAMIC 390P J 50V			
C835	403 164 0214	GRM188F51E104ZA01D PT115			
C836	403 040 1707	ELECT 22U M 10V			
C838	403 164 0214	GRM188F51E104ZA01D PT115			
C839	403 155 2319	GRM188R71H472KA01D PT115			
C841	403 040 1727	ELECT 22U M 10V			
C842	403 164 0214	GRM188F51E104ZA01D PT115			
C843	403 164 0214	GRM188F51E104ZA01D PT115			
C844	403 164 0214	GRM188F51E104ZA01D PT115			
C850	403 215 0910	CERAMIC 390P J 50V			
C851	403 215 0910	CERAMIC 390P J 50V			
C852	403 215 0910	CERAMIC 390P J 50V			
C853	403 215 0910	CERAMIC 390P J 50V			
C854	403 215 0910	CERAMIC 390P J 50V			
C856	403 215 0910	CERAMIC 390P J 50V			
C857	403 215 0910	CERAMIC 390P J 50V			
C858	403 215 0910	CERAMIC 390P J 50V			
C863	403 215 2211	GRM188R71H103KA01D PT115			
DIODE					
D1041	407 149 0817	DIODE 1SS355-TE-17			
D1042	407 149 0817	DIODE 1SS355-TE-17			
D1202	407 206 5618	ZENER D. UDZS-TE-1710B			
D1203	407 206 5618	ZENER D. UDZS-TE-1710B			
			INTEGRATED CIRCUIT		
			IC101	409 549 8219	IC TDA9886TS/V4
			IC1201	409 573 1702	IC BA7615N
			IC1671	409 429 1207	IC BA033T
			IC1672	409 548 6008	IC TA48018S
			IC1674	409 416 7908	IC BA05T
			IC1675	409 429 1207	IC BA033T
			IC1676	409 548 6008	IC TA48018S
			IC2001	409 568 8719	IC STV2310D
			IC202	410 395 3201	IC TDA9330H/N2C
			IC3451	409 550 6815	IC STV8216T
			IC801	665 000 1336	IC STV3500D CUT 4.0
			IC802	409 578 2110	IC M29W160ET70N6
			IC803	410 457 0001	IC HY57V281620HCT-H
			IC804	QM24C64WMN6-P	IC M24C64WMN6T
			COIL		
			L1202	645 004 0306	PEAKING COIL 4.7
			L1203	645 004 0306	PEAKING COIL 4.7
			L1205	645 004 0306	PEAKING COIL 4.7
			L1670	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
			L1671	645 036 3894	BLM21PG221SN1D E258
			L1672	645 036 3894	BLM21PG221SN1D E258
			L1673	645 036 3894	BLM21PG221SN1D E258
			L1674	645 036 3894	BLM21PG221SN1D E258
			L1675	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
			L1678	645 018 9326	INDUCTOR,1000 OHM
			L2000	645 036 3894	BLM21PG221SN1D E258
			L2001	645 004 0313	INDUCTOR,5.6U LAV35VB5R6K
			L2002	645 036 3894	BLM21PG221SN1D E258
			L2003	645 036 3894	BLM21PG221SN1D E258
			L2004	645 036 3894	BLM21PG221SN1D E258
			L2005	645 036 3894	BLM21PG221SN1D E258
			L2006	645 036 3894	BLM21PG221SN1D E258
			L2008	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
			L201	645 004 0344	INDUCTOR,10UK LAV35VB100K
			L2010	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
			L2021	645 004 0313	INDUCTOR,5.6U LAV35VB5R6K
			L2024	645 004 0313	INDUCTOR,5.6U LAV35VB5R6K
			L2025	645 004 0313	INDUCTOR,5.6U LAV35VB5R6K
			L2026	645 004 0313	INDUCTOR,5.6U LAV35VB5R6K

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
L231	645 004 0405	INDUCTOR,33UK LAV35VB330K	R1041	401 105 2914	MT-GLAZE 22K JA 1/16W
L232	645 004 0405	INDUCTOR,33UK LAV35VB330K	R1042	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
L233	645 004 0221	INDUCTOR,1U K LAV35VB1R0K	R1043	401 105 5311	MT-GLAZE 4.7K JA 1/16W
L3452	645 036 3894	BLM21PG221SN1D E258	R1044	401 105 5311	MT-GLAZE 4.7K JA 1/16W
L3453	645 036 3894	BLM21PG221SN1D E258	R1046	401 105 2914	MT-GLAZE 22K JA 1/16W
L841	645 018 9326	INDUCTOR,1000 OHM	R1047	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
L842	645 018 9326	INDUCTOR,1000 OHM	R105	401 105 0514	MT-GLAZE 1K JA 1/16W
L843	645 018 9326	INDUCTOR,1000 OHM	R106	401 105 2617	MT-GLAZE ERJ-3GEYJ220V
L844	645 018 9326	INDUCTOR,1000 OHM	R107	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
L845	645 018 9326	INDUCTOR,1000 OHM	R108	401 105 2716	MT-GLAZE 220 JA 1/16W
L846	645 018 9326	INDUCTOR,1000 OHM	R116	401 105 0415	MT-GLAZE 100 JA 1/16W
L847	645 018 9326	INDUCTOR,1000 OHM	R118	401 105 0613	MT-GLAZE 10K JA 1/16W
L848	645 018 9326	INDUCTOR,1000 OHM	R120	401 105 6011	MT-GLAZE 5.6K JA 1/16W
L849	645 018 9326	INDUCTOR,1000 OHM	R1201	401 105 3218	MT-GLAZE 270 JA 1/16W
L850	401 105 7919	MT-GLAZE 0.000 ZA 1/16W	R1206	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
TRANSISTOR			R121	401 105 0415	MT-GLAZE 100 JA 1/16W
Q1041	406 017 2400	TR BC847B,215 3000/REEL	R1215	401 105 3317	MT-GLAZE 2.7K JA 1/16W
Q1042	406 017 2103	TR BC857B,215 3000/REEL	R1216	401 105 4611	MT-GLAZE 3.9K JA 1/16W
Q1043	406 017 2400	TR BC847B,215 3000/REEL	R1217	401 105 5212	MT-GLAZE 470 JA 1/16W
Q1044	406 017 2103	TR BC857B,215 3000/REEL	R122	401 105 0415	MT-GLAZE 100 JA 1/16W
Q1202	406 017 2400	TR BC847B,215 3000/REEL	R123	401 105 3317	MT-GLAZE 2.7K JA 1/16W
Q1261	406 017 2400	TR BC847B,215 3000/REEL	R1230	401 105 3218	MT-GLAZE 270 JA 1/16W
Q1262	406 017 2400	TR BC847B,215 3000/REEL	R125	401 105 8213	MT-GLAZE ERJ 3GEYJ683V
Q131	406 017 2400	TR BC847B,215 3000/REEL	R126	401 105 0613	MT-GLAZE 10K JA 1/16W
Q133	406 017 2400	TR BC847B,215 3000/REEL	R1260	401 105 0514	MT-GLAZE 1K JA 1/16W
Q134	406 017 2103	TR BC857B,215 3000/REEL	R1261	401 105 4611	MT-GLAZE 3.9K JA 1/16W
Q141	405 015 9721	TR 2SC2814-F4-TB	R1262	401 105 2815	MT-GLAZE 2.2K JA 1/16W
Q151	406 017 2400	TR BC847B,215 3000/REEL	R1263	401 105 0712	MT-GLAZE 100K JA 1/16W
Q152	406 017 2400	TR BC847B,215 3000/REEL	R1264	401 105 6516	MT-GLAZE 680 JA 1/16W
Q201	406 017 2103	TR BC857B,215 3000/REEL	R127	401 105 0613	MT-GLAZE 10K JA 1/16W
Q202	406 017 2400	TR BC847B,215 3000/REEL	R128	401 105 4017	MT-GLAZE 330 JA 1/16W
Q203	406 017 2103	TR BC857B,215 3000/REEL	R1283	401 113 4412	MT-GLAZE 75 JA 1/16W
Q204	406 017 2400	TR BC847B,215 3000/REEL	R1284	401 105 3218	MT-GLAZE 270 JA 1/16W
Q205	406 017 2103	TR BC857B,215 3000/REEL	R1285	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
Q206	406 017 2400	TR BC847B,215 3000/REEL	R1286	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
Q233	406 017 2103	TR BC857B,215 3000/REEL	R130	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
Q235	406 017 2400	TR BC847B,215 3000/REEL	R131	401 105 5915	MT-GLAZE 560 JA 1/16W
Q236	406 017 2400	TR BC847B,215 3000/REEL	R137	401 105 0415	MT-GLAZE 100 JA 1/16W
Q237	406 017 2400	TR BC847B,215 3000/REEL	R138	401 105 2716	MT-GLAZE 220 JA 1/16W
Q261	406 017 2400	TR BC847B,215 3000/REEL	R139	401 105 3218	MT-GLAZE 270 JA 1/16W
Q262	406 017 2103	TR BC857B,215 3000/REEL	R140	401 105 5212	MT-GLAZE 470 JA 1/16W
Q263	406 017 2400	TR BC847B,215 3000/REEL	R145	401 105 8213	MT-GLAZE ERJ 3GEYJ683V
Q3421	406 017 2103	TR BC857B,215 3000/REEL	R146	401 105 2914	MT-GLAZE 22K JA 1/16W
Q3422	406 017 2400	TR BC847B,215 3000/REEL	R147	401 105 0613	MT-GLAZE 10K JA 1/16W
Q811	406 017 2103	TR BC857B,215 3000/REEL	R148	401 105 0613	MT-GLAZE 10K JA 1/16W
Q814	406 017 2400	TR BC847B,215 3000/REEL	R149	401 105 5816	MT-GLAZE 56 JA 1/16W
RESISTOR			R150	401 105 4215	MT-GLAZE 33K JA 1/16W
RB2001	645 058 8853	R-NETWORK 33X4 0.063W	R152	401 105 3416	MT-GLAZE 27K JA 1/16W
RB2002	645 058 8853	R-NETWORK 33X4 0.063W	R161	401 105 1115	MT-GLAZE 12K JA 1/16W
RB2003	645 058 8853	R-NETWORK 33X4 0.063W	R162	401 105 0613	MT-GLAZE 10K JA 1/16W
RB801	645 058 8853	R-NETWORK 33X4 0.063W	△ R1671	401 068 6209	OXIDE-MT 5.6 JA 2W
RB802	645 058 8853	R-NETWORK 33X4 0.063W	△ R1672	401 068 6209	OXIDE-MT 5.6 JA 2W
RB803	645 058 8853	R-NETWORK 33X4 0.063W	R2001	401 105 5212	MT-GLAZE 470 JA 1/16W
RB804	645 058 8853	R-NETWORK 33X4 0.063W	R2002	401 105 0415	MT-GLAZE 100 JA 1/16W
RB805	645 058 8853	R-NETWORK 33X4 0.063W	R2004	401 105 0415	MT-GLAZE 100 JA 1/16W
RB806	645 058 8853	R-NETWORK 33X4 0.063W	R2005	401 105 0415	MT-GLAZE 100 JA 1/16W
RB808	645 058 8853	R-NETWORK 33X4 0.063W	R2006	401 105 0415	MT-GLAZE 100 JA 1/16W
RB809	645 058 8853	R-NETWORK 33X4 0.063W	R201	401 105 0514	MT-GLAZE 1K JA 1/16W
RB810	645 058 8853	R-NETWORK 33X4 0.063W	R202	401 105 0514	MT-GLAZE 1K JA 1/16W
RB811	645 058 8853	R-NETWORK 33X4 0.063W	R2021	401 105 5212	MT-GLAZE 470 JA 1/16W
RB812	645 058 8853	R-NETWORK 33X4 0.063W	R2022	401 105 1412	MT-GLAZE 150 JA 1/16W
RB813	645 058 8853	R-NETWORK 33X4 0.063W	R2024	401 105 5212	MT-GLAZE 470 JA 1/16W
RB815	645 058 8853	R-NETWORK 33X4 0.063W	R2025	401 105 5212	MT-GLAZE 470 JA 1/16W
R101	401 105 0415	MT-GLAZE 100 JA 1/16W	R2026	401 105 5212	MT-GLAZE 470 JA 1/16W
R102	401 105 0415	MT-GLAZE 100 JA 1/16W	R2027	401 105 6417	MT-GLAZE 68 JA 1/16W
R103	401 105 6417	MT-GLAZE 68 JA 1/16W	R2028	401 105 6417	MT-GLAZE 68 JA 1/16W
R1034	401 105 0613	MT-GLAZE 10K JA 1/16W	R2029	401 105 6417	MT-GLAZE 68 JA 1/16W
R104	401 105 6011	MT-GLAZE 5.6K JA 1/16W	R203	401 105 2716	MT-GLAZE 220 JA 1/16W
			R204	401 105 6417	MT-GLAZE 68 JA 1/16W
			R205	401 105 0514	MT-GLAZE 1K JA 1/16W

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R206	401 105 2716	MT-GLAZE 220 JA 1/16W	R3446	401 105 2716	MT-GLAZE 220 JA 1/16W
R207	401 105 4512	MT-GLAZE 390 JA 1/16W	R345	401 105 6615	MT-GLAZE ERJ 3GEYJ682V
R208	401 105 0514	MT-GLAZE 1K JA 1/16W	R3452	401 105 0613	MT-GLAZE 10K JA 1/16W
R209	401 105 4611	MT-GLAZE 3.9K JA 1/16W	R3466	401 105 2716	MT-GLAZE 220 JA 1/16W
R210	401 105 1917	MT-GLAZE 180 JA 1/16W	R3467	401 105 2716	MT-GLAZE 220 JA 1/16W
R211	401 105 6417	MT-GLAZE 68 JA 1/16W	R3468	401 105 3515	MT-GLAZE 270K JA 1/16W
R212	401 105 0514	MT-GLAZE 1K JA 1/16W	R3473	401 105 2716	MT-GLAZE 220 JA 1/16W
R213	401 105 2716	MT-GLAZE 220 JA 1/16W	R3474	401 105 2716	MT-GLAZE 220 JA 1/16W
R214	401 105 5212	MT-GLAZE 470 JA 1/16W	R3475	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R215	401 105 0514	MT-GLAZE 1K JA 1/16W	R3476	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R216	401 105 1610	MT-GLAZE 15K JA 1/16W	R3485	401 105 2716	MT-GLAZE 220 JA 1/16W
R217	401 105 1917	MT-GLAZE 180 JA 1/16W	R3486	401 105 2716	MT-GLAZE 220 JA 1/16W
R218	401 105 6417	MT-GLAZE 68 JA 1/16W	R800	401 105 3911	MT-GLAZE 33 JA 1/16W
R219	401 105 0514	MT-GLAZE 1K JA 1/16W	R801	401 105 3911	MT-GLAZE 33 JA 1/16W
R220	401 105 2716	MT-GLAZE 220 JA 1/16W	R802	401 105 3119	MT-GLAZE 27 JA 1/16W
R221	401 105 0415	MT-GLAZE 100 JA 1/16W	R803	401 105 0613	MT-GLAZE 10K JA 1/16W
R222	401 105 7919	MT-GLAZE 0.000 ZA 1/16W	R804	401 105 0613	MT-GLAZE 10K JA 1/16W
R223	401 105 7919	MT-GLAZE 0.000 ZA 1/16W	R805	401 105 0613	MT-GLAZE 10K JA 1/16WW
R231	401 105 0415	MT-GLAZE 100 JA 1/16W	R806	401 105 0613	MT-GLAZE 10K JA 1/16W
R232	401 105 0415	MT-GLAZE 100 JA 1/16W	R807	401 105 0415	MT-GLAZE 100 JA 1/16W
R235	401 105 4215	MT-GLAZE 33K JA 1/16W	R808	401 105 0415	MT-GLAZE 100 JA 1/16W
R236	401 105 2716	MT-GLAZE 220 JA 1/16W	R809	401 105 0613	MT-GLAZE 10K JA 1/16W
R237	401 105 2716	MT-GLAZE 220 JA 1/16W	R810	401 105 0613	MT-GLAZE 10K JA 1/16W
R238	401 105 4710	MT-GLAZE 39K JA 1/16W	R811	401 105 0415	MT-GLAZE 100 JA 1/16W
R239	401 105 0415	MT-GLAZE 100 JA 1/16W	R812	401 105 0415	MT-GLAZE 100 JA 1/16W
R241	401 105 0415	MT-GLAZE 100 JA 1/16W	R813	401 202 4019	MT-GLAZE 10K FA 1/16W
R242	401 105 7919	MT-GLAZE 0.000 ZA 1/16W	R814	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R243	401 105 7919	MT-GLAZE 0.000 ZA 1/16W	R816	401 105 0712	MT-GLAZ 100K JA 1/16W
R245	401 105 2914	MT-GLAZE 22K JA 1/16W	R817	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R246	401 105 0415	MT-GLAZE 100 JA 1/16W	R818	401 105 5311	MT-GLAZE 4.7K JA 1/16W
R247	401 105 0415	MT-GLAZE 100 JA 1/16W	R819	401 105 3911	MT-GLAZE 33 JA 1/16W
R248	401 105 0415	MT-GLAZE 100 JA 1/16W	R820	401 105 0415	MT-GLAZE 100 JA 1/16W
R249	401 105 4512	MT-GLAZE 390 JA 1/16W	R821	401 105 0613	MT-GLAZE 10K JA 1/16W
R250	401 105 0613	MT-GLAZE 10K JA 1/16W	R822	401 105 0613	MT-GLAZE 10K JA 1/16W
R251	401 105 0514	MT-GLAZE 1K JA 1/16W	R823	401 105 4710	MT-GLAZE 39K JA 1/16W
R256	401 105 5113	MT-GLAZE 47 JA 1/16W	R824	401 105 0613	MT-GLAZE 10K JA 1/16W
R257	401 105 6516	MT-GLAZE 680 JA 1/16W	R825	401 105 0613	MT-GLAZE 10K JA 1/16W
R258	401 105 0712	MT-GLAZE 100K JA 1/16W	R826	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R259	401 105 1214	MT-GLAZE 120K JA 1/16W	R827	401 105 0415	MT-GLAZE 100 JA 1/16W
R260	401 105 2716	MT-GLAZE 220 JA 1/16W	R828	401 105 0415	MT-GLAZE 100 JA 1/16W
R261	401 105 0514	MT-GLAZE 1K JA 1/16W	R829	401 105 0514	MT-GLAZE 1K JA 1/16W
R262	401 105 0613	MT-GLAZE 10K JA 1/16W	R830	401 105 0415	MT-GLAZE 100 JA 1/16W
R263	401 105 5212	MT-GLAZE 470 JA 1/16W	R831	401 105 0613	MT-GLAZE 10K JA 1/16W
R264	401 105 5816	MT-GLAZE 56 JA 1/16W	R834	401 105 3911	MT-GLAZE 33 JA 1/16W
R265	401 105 0613	MT-GLAZE 10K JA 1/16W	R841	401 105 0514	MT-GLAZE 1K JA 1/16W
R266	401 105 5816	MT-GLAZE 56 JA 1/16W	R842	401 105 3218	MT-GLAZE 270 JA 1/16W
R267	401 105 2716	MT-GLAZE 220 JA 1/16W	R843	401 105 0415	MT-GLAZE 100 JA 1/16W
R270	401 105 5212	MT-GLAZE 470 JA 1/16W	R844	401 105 0415	MT-GLAZE 100 JA 1/16W
R271	401 105 5212	MT-GLAZE 470 JA 1/16W	R845	401 105 0415	MT-GLAZE 100 JA 1/16W
R272	401 105 0613	MT-GLAZE 10K JA 1/16W	R851	401 105 0613	MT-GLAZE 10K JA 1/16W
R273	401 105 2013	MT-GLAZE 1.8K JA 1/16W	R852	401 105 0613	MT-GLAZE 10K JA 1/16W
R274	401 105 5816	MT-GLAZE 56 JA 1/16W	R853	401 105 0613	MT-GLAZE 10K JA 1/16W
R275	401 105 4215	MT-GLAZE 33K JA 1/16W	R854	401 105 0613	MT-GLAZE 10K JA 1/16W
R276	401 105 2815	MT-GLAZE 2.2K JA 1/16W	R855	401 105 0613	MT-GLAZE 10K JA 1/16W
R278	401 105 6615	MT-GLAZE ERJ 3GEYJ682V	R856	401 105 0613	MT-GLAZE 10K JA 1/16W
R279	401 105 6011	MT-GLAZE 5.6K JA 1/16W	R857	401 105 0415	MT-GLAZE 100 JA 1/16W
R283	401 105 2815	MT-GLAZE 2.2K JA 1/16W	R858	401 105 0415	MT-GLAZE 100 JA 1/16W
R285	401 105 4215	MT-GLAZE 33K JA 1/16W	R859	401 105 0415	MT-GLAZE 100 JA 1/16W
R286	401 105 4215	MT-GLAZE 33K JA 1/16W	R860	401 105 0415	MT-GLAZE 100 JA 1/16W
R3410TM	401 012 1136	CARBON 1.5 JA 1/4W 52MM	R861	401 105 0415	MT-GLAZE 100 JA 1/16W
R3421	401 105 0613	MT-GLAZE 10K JA 1/16W	R862	401 105 0415	MT-GLAZE 100 JA 1/16W
R3422	401 105 5915	MT-GLAZE 560 JA 1/16W	R868	401 105 0613	MT-GLAZE 10K JA 1/16W
R3423	401 105 0613	MT-GLAZE 10K JA 1/16W	R869	401 105 4710	MT-GLAZE 39K JA 1/16W
R3424	401 105 2815	MT-GLAZE 2.2K JA 1/16W	R870	401 105 2914	MT-GLAZE 22K JA 1/16W
R343	401 105 6615	MT-GLAZE ERJ 3GEYJ682V	R871	401 105 0712	MT-GLAZE 100K JA 1/16W
R3441	401 105 2716	MT-GLAZE 220 JA 1/16W	R872	401 230 2513	MT-GLAZE 1K FA 1/16W
R3442	401 105 2716	MT-GLAZE 220 JA 1/16W	R874	401 105 1610	MT-GLAZE 15K JA 1/16W
R3443	401 105 2716	MT-GLAZE 220 JA 1/16W	R875	401 105 1610	MT-GLAZE 15K JA 1/16W
R3444	401 105 2716	MT-GLAZE 220 JA 1/16W	R876	401 105 0613	MT-GLAZE 10K JA 1/16W
R3445	401 105 2716	MT-GLAZE 220 JA 1/16W	R877	401 105 0514	MT-GLAZE 1K JA 1/16W

Ref. No.	Part No.	Description
R880	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R881	401 105 0514	MT-GLAZE 1K JA 1/16W
TRANSFORMER		
T141	610 037 4508	S COIL
MISCELLANEOUS		
A101	645 052 6947	TUNER, U/V
JN03	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
JN06	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
JN13	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
JN15	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
JN16	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
JN18	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
JN20	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
JP101	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
JP102	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
JP1201	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
JP1202	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
JP1203	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
JP1204	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
JP2001	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
JP2002	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
JP2004	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
JS112	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
JS1202	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
JS1203	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
JS1204	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
JS130	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
JS258	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
J001	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
J005	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
J008	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
J009	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
J101	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
J102	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
J104	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
J113	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
J117	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
J121	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
J125	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
J134	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
J135	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
J136	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
KCPA	645 006 1929	HSG PLUG 7P S7B-XH-A JST
KJTAG	645 004 2935	HOUSING PLUG 7P
K1A	645 029 6055	SOCKET JDV-R35LB-10A
K1B	645 005 6574	PLUG, 8P
K1C	645 014 2116	PLUG, 10P 10PK-FJ
K1D	645 005 6574	PLUG, 8P
K1F	645 014 2116	PLUG, 10P 10PK-FJ
K1G	645 014 2093	PLUG, 5P
K1P	645 008 7295	HOUSING PLUG 6P
TP-A	645 008 3396	SMK, 1P W-P3001-1N PLUG
TP-C	645 008 3396	SMK, 1P W-P3001-1N PLUG
TP-F	645 008 3396	SMK, 1P W-P3001-1N PLUG
XL1671	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
XL1672	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
XL1673	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
XL1674	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
X101	645 063 7230	MKTGA31M9AALPOOB05
X131	421 008 0906	SAW F TSB6315T
X132	421 002 2609	SAW F TSF5315
X133	645 063 1474	OSC, CRYSTAL 4MHZ
X231	645 000 5299	CSTLA12MOT55-BO
X3451	645 063 6042	OSC, CRYSTAL 27MHZ
X801	645 063 6042	OSC, CRYSTAL 27MHZ
Z101	610 309 5202	SHIELD CASE IF-A-C6BLL
Z102	610 309 5219	SHIELD CASE IF-B-C6BLL
Z801	610 309 5189	SHIELD CASE CPU-A-C6BLL
Z802	610 309 5196	SHIELD CASE CPU-B-C6BLL

Ref. No.	Part No.	Description
1AA0B10H6760A ASSY,PWB,SCART C7WEL		
CAPACITOR		
C1000	403 043 9136	ELECT 47U M 16V
C1003	403 113 3815	GRM188R71H102KA01D PT115
C1004	403 113 3815	GRM188R71H102KA01D PT115
C1005	403 113 3815	GRM188R71H102KA01D PT115
C1006	403 113 3815	GRM188R71H102KA01D PT115
C1010	403 149 9218	GRM188F51H103ZA01D PT115
C1011	403 157 3611	GRM1885C1H101JZ01D PT115
C1012	403 157 3611	GRM1885C1H101JZ01D PT115
C1013	403 157 3611	GRM1885C1H101JZ01D PT115
C1014	403 157 3611	GRM1885C1H101JZ01D PT115
C1015	403 157 3611	GRM1885C1H101JZ01D PT115
C1016	403 157 3611	GRM1885C1H101JZ01D PT115
C1017	403 207 0317	GRM21BF51C105ZA01L PT297
C1018	403 207 0317	GRM21BF51C105ZA01L PT297
C1023	403 113 3815	GRM188R71H102KA01D PT115
C1024	403 113 3815	GRM188R71H102KA01D PT115
C1025	403 113 3815	GRM188R71H102KA01D PT115
C1026	403 113 3815	GRM188R71H102KA01D PT115
C1030	403 149 9218	GRM188F51H103ZA01D PT115
C1031	403 157 3611	GRM1885C1H101JZ01D PT115
C1032	403 157 3611	GRM1885C1H101JZ01D PT115
C1033	403 157 3611	GRM1885C1H101JZ01D PT115
C1034	403 157 3611	GRM1885C1H101JZ01D PT115
C1035	403 157 3611	GRM1885C1H101JZ01D PT115
C1036	403 157 3611	GRM1885C1H101JZ01D PT115
C1037	403 207 0317	GRM21BF51C105ZA01L PT297
C1038	403 207 0317	GRM21BF51C105ZA01L PT297
DIODE		
D1001	407 221 7116	ZENER D. UDZS-TE-1712B
D1002	407 221 7116	ZENER D. UDZS-TE-1712B
D1003	407 221 7116	ZENER D. UDZS-TE-1712B
D1004	407 221 7116	ZENER D. UDZS-TE-1712B
D1005	407 221 7116	ZENER D. UDZS-TE-1712B
D1006	407 221 7116	ZENER D. UDZS-TE-1712B
D1007	407 221 7116	ZENER D. UDZS-TE-1712B
D1008	407 221 7116	ZENER D. UDZS-TE-1712B
D1009	407 221 7116	ZENER D. UDZS-TE-1712B
D1011	407 221 7116	ZENER D. UDZS-TE-1712B
D1012	407 221 7116	ZENER D. UDZS-TE-1712B
D1014	407 221 7116	ZENER D. UDZS-TE-1712B
D1023	407 221 7116	ZENER D. UDZS-TE-1712B
D1024	407 221 7116	ZENER D. UDZS-TE-1712B
D1050	407 221 7116	ZENER D. UDZS-TE-1712B
D1051	407 221 7116	ZENER D. UDZS-TE-1712B
D1052	407 221 7116	ZENER D. UDZS-TE-1712B
D1053	407 221 7116	ZENER D. UDZS-TE-1712B
D1061	407 221 7116	ZENER D. UDZS-TE-1712B
D1062	407 221 7116	ZENER D. UDZS-TE-1712B
D1065	407 221 7116	ZENER D. UDZS-TE-1712B
COIL		
L1000	645 002 7420	P COIL LAL02TB100K 52MM
L1001	645 002 7420	P COIL LAL02TB100K 52MM
L1002	645 002 7420	P COIL LAL02TB100K 52MM
L1003	645 002 7420	P COIL LAL02TB100K 52MM
L1004	645 002 7420	P COIL LAL02TB100K 52MM
L1005	652 000 1718	PIPE CORE
L1011	645 002 7420	P COIL LAL02TB100K 52MM
L1012	645 002 7420	P COIL LAL02TB100K 52MM
L1013	645 002 7420	P COIL LAL02TB100K 52MM
L1014	645 002 7420	P COIL LAL02TB100K 52MM
L1015	652 000 1718	PIPE CORE
TRANSISTOR		
Q1001	406 017 2400	TR BC847B,215 3000/REEL
Q1002	406 017 2400	TR BC847B,215 3000/REEL
Q1003	406 017 2400	TR BC847B,215 3000/REEL
Q1004	406 017 2400	TR BC847B,215 3000/REEL

Ref. No.	Part No.	Description
RESISTOR		
R1001	401 105 5915	MT-GLAZE 560 JA 1/16W
R1002	401 105 5915	MT-GLAZE 560 JA 1/16W
R1003	401 105 0514	MT-GLAZE 1K JA 1/16W
R1004	401 105 0514	MT-GLAZE 1K JA 1/16W
R1005	401 105 0514	MT-GLAZE 1K JA 1/16W
R1006	401 105 0514	MT-GLAZE 1K JA 1/16W
R1007	401 105 0712	MT-GLAZE 100K JA 1/16W
R1008	401 105 0712	MT-GLAZE 100K JA 1/16W
R1009	401 105 1719	MT-GLAZE 150K JA 1/16W
R1010	401 105 1719	MT-GLAZE 150K JA 1/16W
R1011	401 105 1016	MT-GLAZE 1.2K JA 1/16W
R1012	401 105 1016	MT-GLAZE 1.2K JA 1/16W
R1013	401 113 4412	MT-GLAZE 75 JA 1/16W
R1014	401 105 0415	MT-GLAZE 100 JA 1/16W
R1015	401 113 4412	MT-GLAZE 75 JA 1/16W
R1016	401 105 0415	MT-GLAZE 100 JA 1/16W
R1017	401 113 4412	MT-GLAZE 75 JA 1/16W
R1018	401 105 0415	MT-GLAZE 100 JA 1/16W
R1019	401 113 4412	MT-GLAZE 75 JA 1/16W
R1020	401 105 0415	MT-GLAZE 100 JA 1/16W
R1021	401 022 6841	CARBON 75 JA 1/4W 52MM
R1022	401 113 4412	MT-GLAZE 75 JA 1/16W
R1023	401 105 5915	MT-GLAZE 560 JA 1/16W
R1024	401 105 5915	MT-GLAZE 560 JA 1/16W
R1025	401 105 0514	MT-GLAZE 1K JA 1/16W
R1026	401 105 0514	MT-GLAZE 1K JA 1/16W
R1027	401 105 0514	MT-GLAZE 1K JA 1/16W
R1028	401 105 0514	MT-GLAZE 1K JA 1/16W
R1029	401 105 0712	MT-GLAZE 100K JA 1/16W
R1030	401 105 0712	MT-GLAZE 100K JA 1/16W
R1031	401 105 1719	MT-GLAZE 150K JA 1/16W
R1032	401 105 1719	MT-GLAZE 150K JA 1/16W
R1033	401 105 1016	MT-GLAZE 1.2K JA 1/16W
R1034	401 105 1016	MT-GLAZE 1.2K JA 1/16W
R1036	401 022 6841	CARBON 75 JA 1/4W 52MM
R1037	401 113 4412	MT-GLAZE 75 JA 1/16W
R1050	401 113 4412	MT-GLAZE 75 JA 1/16W
R1051	401 105 6417	MT-GLAZE 68 JA 1/16W
R1052	401 113 4412	MT-GLAZE 75 JA 1/16W
R1053	401 105 6417	MT-GLAZE 68 JA 1/16W
R1054	401 113 4412	MT-GLAZE 75 JA 1/16W
R1055	401 105 6417	MT-GLAZE 68 JA 1/16W
R1056	401 113 4412	MT-GLAZE 75 JA 1/16W
R1057	401 105 0415	MT-GLAZE 100 JA 1/16W
R1061	401 105 4710	MT-GLAZE 39K JA 1/16W
R1062	401 026 7438	CARBON 39K JA 1/6W 52MM
R1065TM	401 024 7034	CARBON 1K JA 1/6W 52MM

MISCELLANEOUS

JW1023	610 310 2535	NONSTANDARD WIRE ASSY
J1001	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
J1021	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
K10A	645 018 9494	PLUG JDV-PS35LB-10-1
K1001	645 025 1047	SOCKET, RGB 21P
K1002	645 025 1047	SOCKET, RGB 21P

1AA0B10H6760B ASSY,PWB,CRT C7WEL CAPACITOR

C741	403 247 2101	CERAMIC 2200P K 2K
C742	403 281 9302	ELECT 10U M 250V
C745	403 159 7409	MT-POLYEST 0.1U K 250V

DIODE

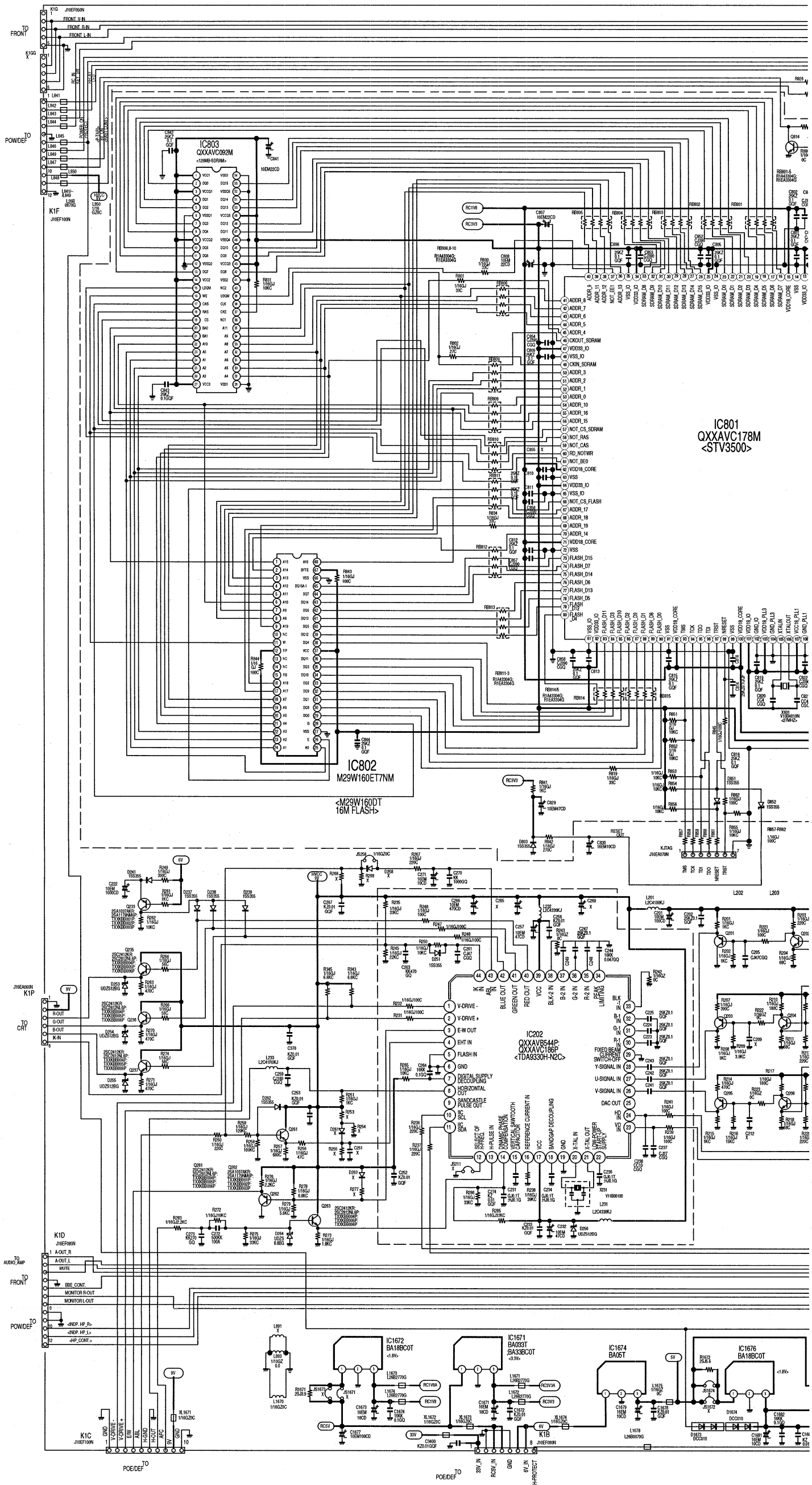
D1052	407 221 7116	ZENER D. UDZS-TE-1712B
D702	407 006 3913	DIODE ERB43-04-V1 52MM
D703	407 006 3913	DIODE ERB43-04-V1 52MM
D704	407 006 3913	DIODE ERB43-04-V1 52MM

Ref. No.	Part No.	Description
D705	407 006 3913	DIODE ERB43-04-V1 52MM
D712	407 006 3913	DIODE ERB43-04-V1 52MM
D713	407 224 6512	ZD UDZS4.7B-TE-17
D714	407 224 6512	ZD UDZS4.7B-TE-17
D715	407 224 6512	ZD UDZS4.7B-TE-17
D722	407 006 3913	DIODE ERB43-04-V1 52MM
INTEGRATED CIRCUIT		
IC701	409 476 5104	TDA6108JF/N1 036-05149/05
IC701A	610 307 5310	HEAT SINK RGB-C6BL
COIL		
L731A	652 000 1817	PIPE CORE BF2030RTM TAPED
RESISTOR		
R1054	401 113 4412	MT-GLAZE 75 JA 1/16W
R1055	401 105 6417	MT-GLAZE 68 JA 1/16W
R701	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R702	401 105 1412	MT-GLAZE 150 JA 1/16W
R704	401 024 6730	CARBON 100 JA 1/6W 52MM
R705	401 007 1134	CARBON 1K JA 1/2W
R711	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R712	401 105 1412	MT-GLAZE 150 JA 1/16W
R714	401 024 6730	CARBON 100 JA 1/6W 52MM
R715	401 007 1134	CARBON 1K JA 1/2W
R721	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R722	401 105 1412	MT-GLAZE 150 JA 1/16W
R724	401 024 6730	CARBON 100 JA 1/6W 52MM
R725	401 007 1134	CARBON 1K JA 1/2W
R731	401 105 0514	MT-GLAZE 1K JA 1/16W
R732	401 105 8213	MT-GLAZE ERJ 3GEYJ683V
MISCELLANEOUS		
JS701	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
JS711	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
JS721	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
K7A	645 008 7295	HOUSING PLUG 6P
K7C	645 008 7264	HOUSING PLUG 3P
K7D	645 008 7271	HOUSING PLUG 4P
K7V	645 008 4058	TERMINAL PLUG
K7Y	645 008 4058	TERMINAL PLUG
△ K701	645 026 2005	HPS1521-015103 CRT.SKT
1AA0B10H067B0 ASSY,PWB,POWER/DEF C7WEL CAPACITOR		
C001	403 314 5915	GRM21BR71C474KA01L PT297
C002	403 215 2310	GRM188R71H123KA01D PT115
C003	403 314 5915	GRM21BR71C474KA01L PT297
C004	403 215 2310	GRM188R71H123KA01D PT115
C005	403 046 3517	ELECT 33U M 25V
C006	403 046 3517	ELECT 33U M 25V
C007	403 164 0214	GRM188F51E104ZA01D PT115
C008	403 164 0214	GRM188F51E104ZA01D PT115
C009	403 164 0214	GRM188F51E104ZA01D PT115
C010	403 164 0214	GRM188F51E104ZA01D PT115
C011	403 045 1504	ELECT 1000U M 25V
C012	403 045 1504	ELECT 1000U M 25V
C015	403 047 3100	ELECT 47U M 25V
C021	403 154 1917	ELECT 1000U M 35V
C030	403 113 3815	GRM188R71H102KA01D PT115
C1102	403 157 3611	GRM1885C1H101JZ01D PT115
C1106	403 157 3611	GRM1885C1H101JZ01D PT115
C1107	403 157 3611	GRM1885C1H101JZ01D PT115
C1108	403 049 4224	ELECT 10U M 50V
C1109	403 049 4224	ELECT 10U M 50V
C1121	403 149 9218	GRM188F51H103ZA01D PT115
C1122	403 149 9218	GRM188F51H103ZA01D PT115
C1123	403 085 7306	NP-ELECT 10U M 25V

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Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
D639	407 099 7624	ZENER DIODE MTZJ-T72-18B	Q642	406 007 2007	TR JC546B
D645	408 007 8607	DIODE 1N4148	RESISTOR		
D649	408 007 8607	DIODE 1N4148	R001	401 105 0514	MT-GLAZE 1K JA 1/16W
D652	407 149 0817	DIODE 1SS355-TE-17	R002	401 105 2013	MT-GLAZE 1.8K JA 1/16W
D654	407 149 0817	DIODE 1SS355-TE-17	R003	401 105 0514	MT-GLAZE 1K JA 1/16W
D661	407 100 0333	Z DIODE MTZJ36B 52MM	R004	401 105 2013	MT-GLAZE 1.8K JA 1/16W
INTEGRATED CIRCUIT			R005	401 026 9333	CARBON 47 JA 1/6W 52MM
IC001	409 301 4906	IC TDA7263M	R006	401 025 1635	CARBON 1K5 JA 1/6W 52MM
IC001H	610 251 4186	AUDIO HEATSINK ASSY E7PC	R007	401 026 9333	CARBON 47 JA 1/6W 52MM
IC1601	409 543 4108	IC STR-A6351	R008	401 025 1635	CARBON 1K5 JA 1/6W 52MM
IC1611	409 308 8600	IC SE005N	R009	401 026 8138	CARBON 4.7 JA 1/6W 52MM
IC1612	409 440 3303	IC BA09T	R010	401 026 8138	CARBON 4.7 JA 1/6W 52MM
IC1613	409 416 7908	IC BA05T	R013	401 105 1016	MT-GLAZE 1.2K JA 1/16W
IC501	409 374 0607	IC LA7846N	R014	401 022 1945	CARBON 680 JA 1/4W 52MM
IC501A	610 309 3345	HEAT SINK- V C5WEL	R015	401 105 2716	MT-GLAZE 220 JA 1/16W
IC631	409 169 5800	IC SE140NL	R016	401 022 1945	CARBON 680 JA 1/4W 52MM
COIL			R018	401 105 0613	MT-GLAZE 10K JA 1/16W
L1101	645 002 7420	P COIL LAL02TB100K 52MM	R022	401 105 5410	MT-GLAZE 47K JA 1/16W
L1106	645 002 7420	P COIL LAL02TB100K 52MM	R1101	401 105 2815	MT-GLAZE 2.2K JA 1/16W
L1121	645 007 9566	LAL03TB120K P/COIL 52MM	R1102	401 105 0712	MT-GLAZE 100K JA 1/16W
L1122	645 007 9566	LAL03TB120K P/COIL 52MM	R1106	401 105 2815	MT-GLAZE 2.2K JA 1/16W
L1123	645 033 2722	BEAD CORE TAIYO YUDEN 52M	R1107	401 105 0712	MT-GLAZE 100K JA 1/16W
L1601	610 078 4635	PIPECORE	R1121	401 007 7641	CARBON 150 JA 1/2W
L1611	652 000 1718	PIPE CORE	R1122	401 007 7641	CARBON 150 JA 1/2W
L1612	652 000 1718	PIPE CORE	R1601	401 010 4812	CARBON 470K JA 1/2W
L411	610 078 4635	PIPECORE	R1602	401 018 3867	CARBON 3K3 JA 1/4W 52MM
L412	610 078 4635	PIPECORE	R1603	401 014 1639	CARBON 15 JA 1/4W 52MM
△ L422	645 058 6477	COIL,LINEARITY	△ R1604	402 001 8106	FUSIBLE RES 680 J- 1/4W
L451	645 044 8133	7212N-681K(150UH)	R1605	401 024 6027	CARBON 1R5 JA 1/6W 52MM
△ L461	645 016 9137	S-150-044-A 330U SUMIDA	△ R1607	401 068 5509	OXIDE-MT 47 K JA 2W
△ L462	645 016 9137	S-150-044-A 330U SUMIDA	R1611	401 026 3935	CARBON 330 JA 1/6W 52MM
L503	645 008 5635	INDUCTOR,12U K	R1612	401 024 7034	CARBON 1K JA 1/6W 52MM
L601	652 000 1817	PIPE CORE BF2030RTM TAPED	R1613	401 025 3837	CARBON 180 JA 1/6W 52MM
L602	652 000 1817	PIPE CORE BF2030RTM TAPED	R1614	401 012 7059	CARBON 10K JA 1/4W 52MM
△ L603	645 061 3333	LINE FILTER	R1615	401 009 9346	CARBON 390 JA 1/2W
△ L604	645 061 3333	LINE FILTER	R1616	401 024 7440	CARBON 10K JA 1/6W 52MM
△ L605	645 042 2829	CHOKE, ETQR45T007B PANA	R1901	401 105 0415	MT-GLAZE 100 JA 1/16W
L611	652 000 1718	PIPE CORE	R1950	401 026 6639	CARBON 390 JA 1/6W 52MM
L612	652 000 1718	PIPE CORE	R1951	401 105 3317	MT-GLAZE 2.7K JA 1/16W
L613	652 000 1718	PIPE CORE	R1952	401 105 5410	MT-GLAZE 47K JA 1/16W
L614	652 000 1718	PIPE CORE	R1953	401 260 4716	MT-GLAZE 1.5K FA 1/16W
L615	652 000 1718	PIPE CORE	R1954	401 257 7010	MT-GLAZE 820 FA 1/16W
L616	645 005 0763	CORE,PIPE	R1955	401 218 4614	MT-GLAZE 5.6K FA 1/16W
L634	652 000 1718	PIPE CORE	R1956	401 203 9815	MT-GLAZE 2.7K FA 1/16W
L636	652 000 1718	PIPE CORE	R401	401 105 0514	MT-GLAZE 1K JA 1/16W
L637	652 000 1718	PIPE CORE	R402	401 026 6639	CARBON 390 JA 1/6W 52MM
TRANSISTOR			R403	401 105 1412	MT-GLAZE 150 JA 1/16W
Q001	406 017 2400	TR BC847B,215 3000/REEL	R405	401 105 0514	MT-GLAZE 1K JA 1/16W
Q1611	405 008 4805	TR 2SB764-E	△ R406	401 062 7103	OXIDE-MT 5.6K JA 1W
Q1612	406 007 2007	TR JC546B	△ R408	401 065 2808	OXIDE-MT 120 JA 2W
Q1911	406 017 2400	TR BC847B,215 3000/REEL	△ R409	401 059 1602	OXIDE-MT 15 JA 1W
Q401	406 007 2007	TR JC546B	△ R409A	401 058 7209	OXIDE-MT 12 JA 1W
Q402	405 136 0205	TR 2SC5291S-AY	△ R410	401 062 0302	OXIDE-MT 47 JA 1W
Q411	406 017 4503	TR 2SC5857(LBSAN)	△ R411	401 007 4818	CARBON 1.2K JA 1/2W
Q411A	610 298 8437	HEAT SINK-POW/HOR C5WEL	△ R425	401 058 3706	OXIDE-MT 1K JA 1W
Q436	406 017 2400	TR BC847B,215 3000/REEL	△ R431	402 022 2008	FUSIBLE RES 1 J- 1/2W
Q451	405 039 3303	TR 2SC3114-R	R432	401 017 3848	CARBON 270K JA 1/4W 52MM
Q452	405 052 8002	TR 2SB1274-R	R433	401 027 8632	CARBON 8K2 JA 1/6W 52MM
Q452A	610 309 3338	HEAT SINK-PCC C6BLL	△ R434	401 067 3100	OXIDE-MT 3.9 JA 2W
Q601	405 016 9403	TR 2SC3068	△ R435	402 022 2008	FUSIBLE RES 1 J- 1/2W
Q611	405 013 6801	TR 2SC2274-E	R436	401 105 5311	MT-GLAZE 4.7K JA 1/16W
Q612	405 006 6514	TR 2SA984-E-AA	△ R437	401 066 3705	OXIDE-MT 2.7 JA 2W
Q613	405 172 6803	TR 2SK3102	R438	401 020 2954	CARBON 47K JA 1/4W 52MM
Q613A	610 298 8437	HEAT SINK-POW/HOR C5WEL	R439	401 018 4943	CARBON 33K JA 1/4W 52MM
Q625	405 016 9403	TR 2SC3068	R440	401 023 2852	CARBON 8K2 JA 1/4W 52MM
Q631	406 007 2007	TR JC546B	△ R441	402 072 1204	WIRE WOUND 1.8 KA 7W
Q641	406 017 2400	TR BC847B,215 3000/REEL	R442	401 024 7440	CARBON 10K JA 1/6W 52MM
			R443	401 024 7034	CARBON 1K JA 1/6W 52MM
			R444	401 024 7440	CARBON 10K JA 1/6W 52MM

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R446	401 105 4215	MT-GLAZE 33K JA 1/16W	VARIABLE RESISTOR		
R447	401 105 7513	MT-GLAZE 82K JA 1/16W	VA601	407 130 2902	VARISTOR
R453	401 041 4129	MT-FILM100K FA 1/4W 52MM	MISCELLANEOUS		
R454	401 053 4025	MT-FILM 560 FA 1/6W 52MM	△ A1901	645 028 1044	REMO REC SPS-443-1-E
R456	401 053 4728	MT-FILM 6K8 FA 1/6W 52MM	△ F601	423 022 2102	FUSE 250V 4.0A
R457	401 027 5235	CARBON 680 JA 1/6W 52MM	F601A	645 040 3576	HOLDER,FUSE EYF-52BC PANA
R458	401 024 7737	CARBON 100K JA 1/6W 52MM	F601B	645 040 3576	HOLDER,FUSE EYF-52BC PANA
△ R459	402 058 9507	FUSIBLE RES 2.7 J- 1W	KB	645 005 8622	SOCKET,8P
R460	401 023 1756	CARBON 820 JA 1/4W 52MM	KC	645 008 5543	SOCKET,10P
R461	401 105 1115	MT-GLAZE 12K JA 1/16W	KD	645 005 8622	SOCKET,8P
R471	401 053 1222	MT-FILM 2.2K FA 1/6W	△ KEP1	645 008 4058	TERMINAL PLUG
△ R503	402 059 3801	FUSIBLE RES 3.3 J- 2W	△ KEP2	645 008 4058	TERMINAL PLUG
△ R504	402 061 0201	FUSIBLE RES 1.5 J- 1/2W	KF	645 008 5543	SOCKET,10P
△ R506	401 062 6106	OXIDE-MT 560 JA 1W	KG	645 008 5512	SOCKET,5P
R507	401 014 1639	CARBON 15 JA 1/4W 52MM	KSC	645 008 4058	TERMINAL PLUG
△ R508	401 180 8402	OXIDE-MT 0.47 JA 2W	K11L	645 004 2881	PLUG,2P
R509	401 083 8321	MT-FILM 1.2K FA 1/6W 52MM	K11RP1	645 008 4058	TERMINAL PLUG
△ R510	402 041 5202	FUSIBLE RES 2.2 J- 2W	K11RP2	645 008 4058	TERMINAL PLUG
R511	401 105 0514	MT-GLAZE 1K JA 1/16W	K1101	645 002 0568	TERMINAL,BOARD
R512	401 105 7919	MT-GLAZE 0.000 ZA 1/16W	K1121	645 027 8761	PHONE JACK HTJ-035-10ABT
R513	401 083 8321	MT-FILM 1.2K FA 1/6W 52MM	△ K4A	645 010 9683	PLUG, 2P B2B-VT JST
R571	401 105 6615	MT-GLAZE ERJ 3GEYJ682V	K4B	645 008 7264	HOUSING PLUG 3P
R572	401 105 5410	MT-GLAZE 47K JA 1/16W	K4C	645 008 7264	HOUSING PLUG 3P
R601	401 026 4338	CARBON 3K3 JA 1/6W 52MM	K4D	645 008 7271	HOUSING PLUG 4P
R602	401 105 8114	MT-GLAZE 56K JA 1/16W	K4Y	645 004 2881	PLUG,2P
△ R603	402 072 1204	WIRE WOUND 1.8 KA 7W	△ K6AP1	645 008 4058	TERMINAL PLUG
R604	401 008 8627	CARBON 220K JA 1/2W	△ K6AP2	645 008 4058	TERMINAL PLUG
R611	401 020 0851	CARBON 470 JA 1/4W 52MM	△ PS601	408 046 4301	PTDAA1BF4R5Q200 MURATA
R612	401 105 0712	MT-GLAZE 100K JA 1/16W	△ RL601	645 028 2713	RELAY
△ R613	402 001 6607	FUSIBLE RES 1.2K J- 1/4W	SW1951	610 011 4432	SWITCH,PUSH
R614	401 105 2914	MT-GLAZE 22K JA 1/16W	SW1952	610 011 4432	SWITCH,PUSH
R615	401 016 2654	CARBON 220 JA 1/4W 52MM	SW1953	610 011 4432	SWITCH,PUSH
R616	401 105 0613	MT-GLAZE 10K JA 1/16W	SW1954	610 011 4432	SWITCH,PUSH
△ R618	401 064 1406	OXIDE-MT .33 JA 2W	△ SW601	645 050 4129	SW,PUSH POWER SDKVA30100
R619	401 016 1548	CARBON 22 JA 1/4W 52MM	All information in this manual is correct at the start of production. Sanyo reserves the right to modify components and procedures in order to comply with their continuous improvement policy.		
R620	401 010 4812	CARBON 470K JA 1/2W			
R621	401 010 4812	CARBON 470K JA 1/2W			
R622	401 019 9650	CARBON 47 JA 1/4W 52MM			
R623	401 105 4314	MT-GLAZE 330K JA 1/16W			
△ R624	402 001 8502	FUSIBLE RES 10 J- 1/2W			
△ R625	401 069 4501	OXIDE-MT 68K JA 2W			
△ R626	401 069 4501	OXIDE-MT 68K JA 2W			
R627	401 105 2914	MT-GLAZE 22K JA 1/16W			
△ R628	402 088 1106	RESISTER 5.6M JA 1/2W			
△ R629	402 088 1106	RESISTER 5.6M JA 1/2W			
R631	401 105 4710	MT-GLAZE 39K JA 1/16W			
R634	401 024 7440	CARBON 10K JA 1/6W 52MM			
R635	401 024 9731	CARBON 12K JA 1/6W 52MM			
R636	401 026 9937	CARBON 4K7 JA 1/6W 52MM			
R637	401 024 7440	CARBON 10K JA 1/6W 52MM			
R641	401 011 2718	CARBON 68K JA 1/2W			
R642	401 025 8238	CARBON 22K JA 1/6W 52MM			
R643	401 026 9630	CARBON 470 JA 1/6W 52MM			
R644	401 105 0613	MT-GLAZE 10K JA 1/16W			
R645	401 105 0613	MT-GLAZE 10K JA 1/16W			
R646	401 105 0613	MT-GLAZE 10K JA 1/16W			
R651	401 027 8632	CARBON 8K2 JA 1/6W 52MM			
R652	401 025 8238	CARBON 22K JA 1/6W 52MM			
△ R655	401 064 4506	OXIDE-MT 1.2 JA 2W			
△ R656	402 069 8704	WIRE WOUND 8.2 KA 7W			
△ R657	402 069 9800	WIRE WOUND 2.7 KA 5W			
△ R662	401 061 4400	OXIDE-MT 33K JA 1W			
TRANSFORMER					
△ T1601	645 061 4316	TRANS,POWER,PULSE			
△ T401	645 041 1083	TRANS,DRIVE			
△ T402	645 060 4652	TRANS,FLYBACK			
△ T611	645 059 0979	TRANS,POWER,PULSE			



COLOUR TELEVISION

SANYO

CHASSIS SERIES **HB3-B**

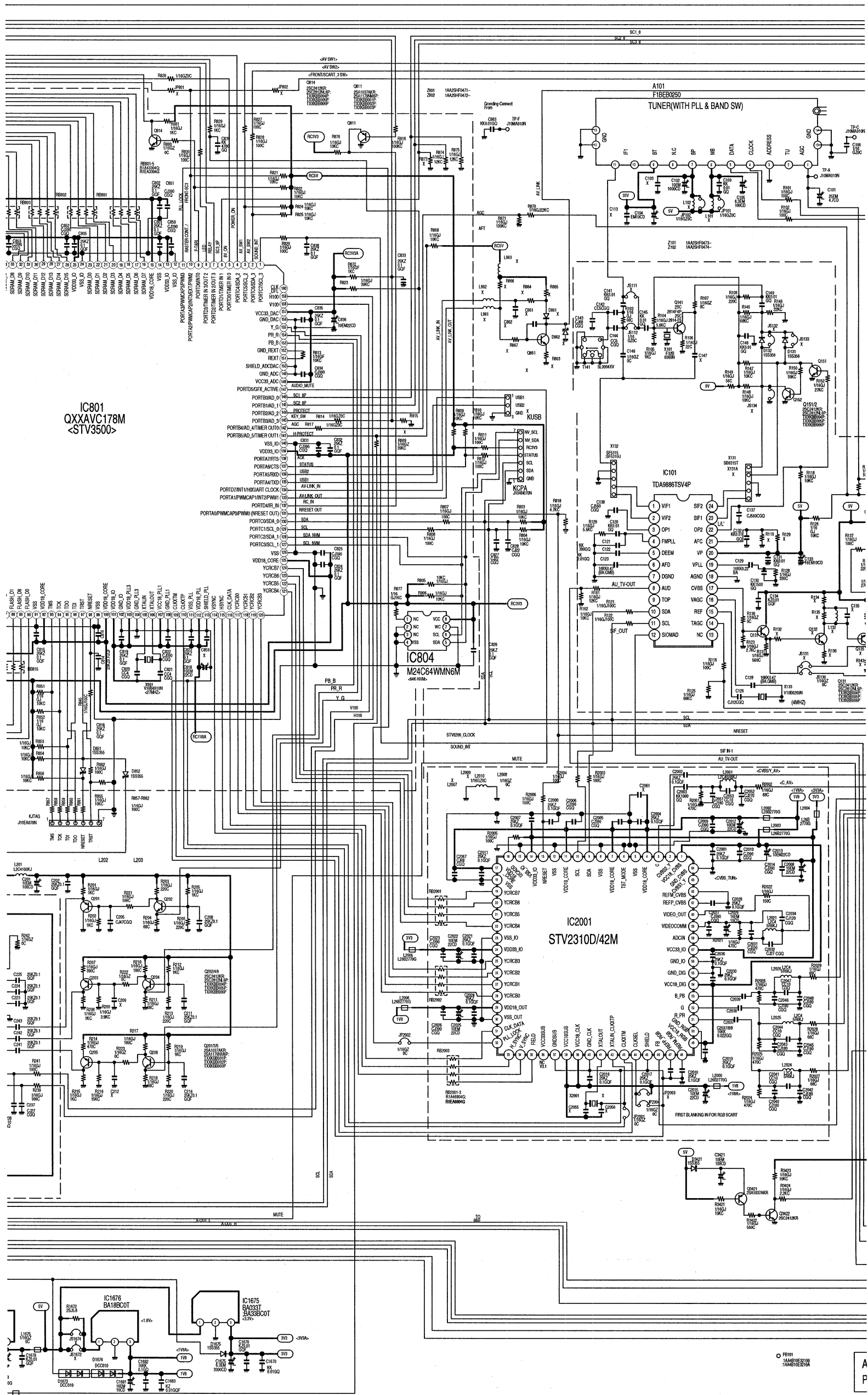
MODEL NUMBER **CE28CHN5F-C**

SERVICE REF.NO. **CE28CHN5F-C-00**

The service Precaution:
The area enclosed by this line () is directly connected with AC mains voltage. When servicing the area, connect an isolating transformer between TV receiver and AC line to eliminate hazard of electric shock.

Product safety notice:
Product safety should be considered when a component replacement is made in any area of a receiver. Components indicated by a mark Δ in this circuit diagram show components whose values have special significance to product safety. It is particularly recommended that only parts specified on the part service manual be used for components replacement pointed out by the mark.

- Circuit diagram not**
1. All resistance value
 2. All resistance rate
 3. Excepting electro
 4. All capacitance ra
 5. All inductance val
 6. Voltage readings t
 7. Waveforms were t
- normal picture. Wa
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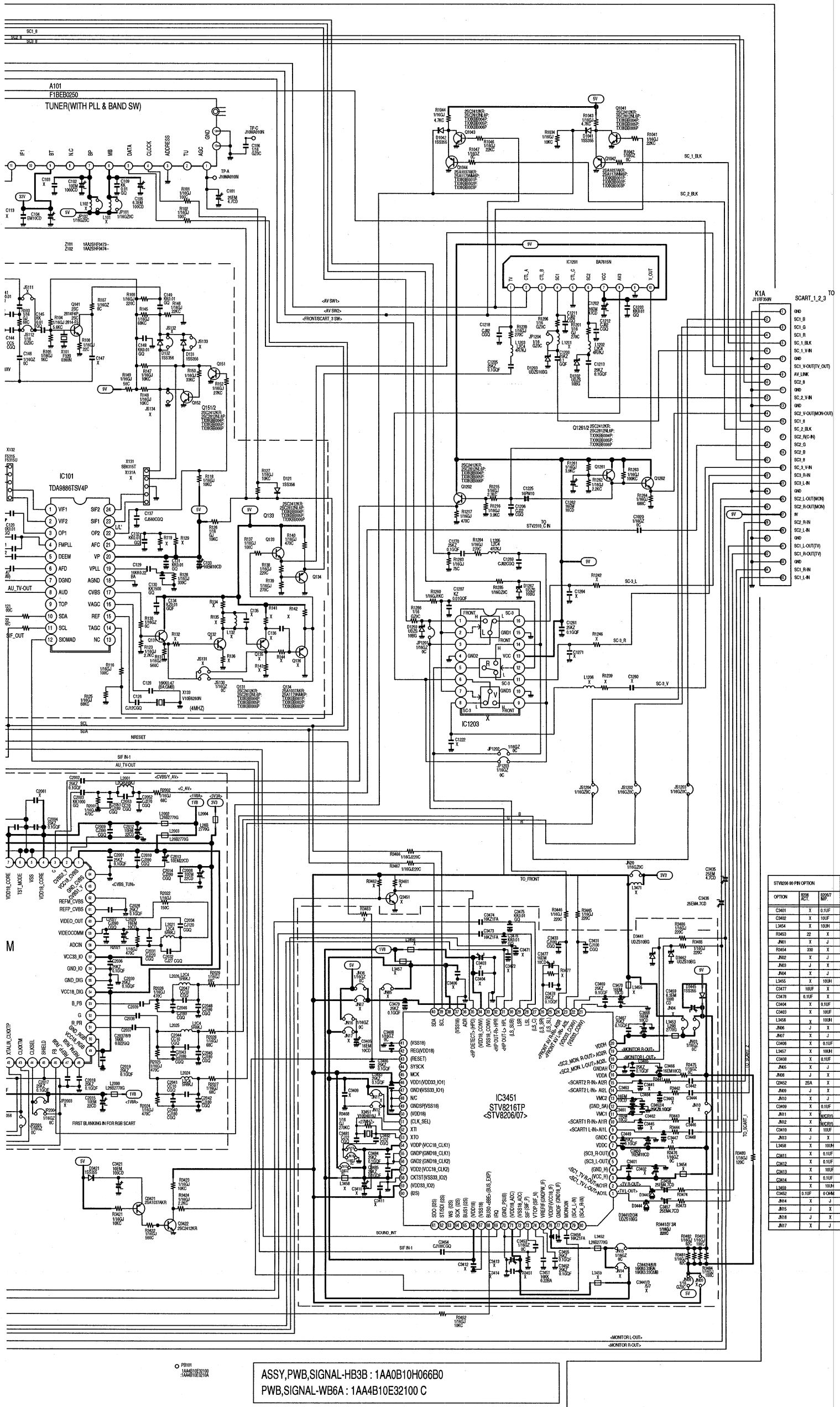
Circuit diagram notes :

1. All resistance values are in ohms, K=1,000, M=1,000,000.
2. All resistance rated wattages are 1/6W unless otherwise noted.
3. Excepting electrolytic capacitors, all capacitance values of less than 1 are expressed in μF and more than 1 are pF.
4. All capacitance rated voltages are 50V unless otherwise noted.
5. All inductance values are in μH .
6. Voltage readings taken a digital voltmeter are from point indicated chassis ground. Voltage readings taken by using a colour bar signal are with all controls at normal position. Some voltages may vary with signal strength.
7. Waveforms were taken with colour bar and controls adjusted for normal picture. Waveforms were taken by using a wide band oscilloscope and a low capacity probe.

8. This circuit diagram covers a basic or representative chassis only. There may be some components or partial circuit differences between the actual chassis and the circuit diagram.
9. Diode 1S1555 may be replaced with 1S2473, 1S2076 or DS472 unless otherwise noted.
- Transistor 2SC536(Q,R,S), 2SC1740(Q,R,S), 2SC945A(Q,R,P) or 2SC1815(G,O,Y) unless otherwise noted.
- Transistor 2SA608(E,F) may be replaced with 2SA933(Q,R), 2SA564(QA,RA), or 2SA1015(O,Y) unless otherwise noted.

Expression of capacitance and resistance in circuit

Capacitance (Example)	
1000 μF M 2000 D	Characteristic Capacitance value (220pF)
	Tolerance ($\pm 20\%$)
	Kind (Ceramic)
	Rated voltage (1,000V)
Resistance (Example)	
1/2 W J 1.2	Resistance value (1.2)
	Tolerance ($\pm 5\%$)
	Kind (M-carbon)
	Rated wattage (1/2W)



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nponents or partial
chassis and the
1S2473,1S2076
)(Q,R,S),
') unless otherwise
aced with
SA1015(O,Y)

OPTION	SCART	SCART
C3401	X	0.1uF
C3402	X	0.1uF
L3404	X	100mH
R3403	22	Ω
J3401	X	J
R3404	330	Ω
J3402	X	J
J3403	J	X
J3404	X	J
L3405	X	100mH
C3407	100F	X
C3408	0.1uF	X
C3409	X	0.1uF
L3406	X	100mH
J3405	J	X
J3406	X	J
J3407	X	J
C3408	X	0.1uF
L3407	X	100mH
C3409	X	0.1uF
J3405	X	J
J3406	X	J
C3410	X	0.1uF
L3408	X	100mH
C3411	X	0.1uF
C3412	X	0.1uF
C3413	X	0.1uF
L3409	X	100mH
C3414	0.1uF	0.04M
J3414	J	X
J3415	J	X
J3416	J	X
J3417	X	J

ASSY,PWB,POWER&DEF,C7WEL
1AA0B10H067B0

